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Commonwealth of Massachusetts

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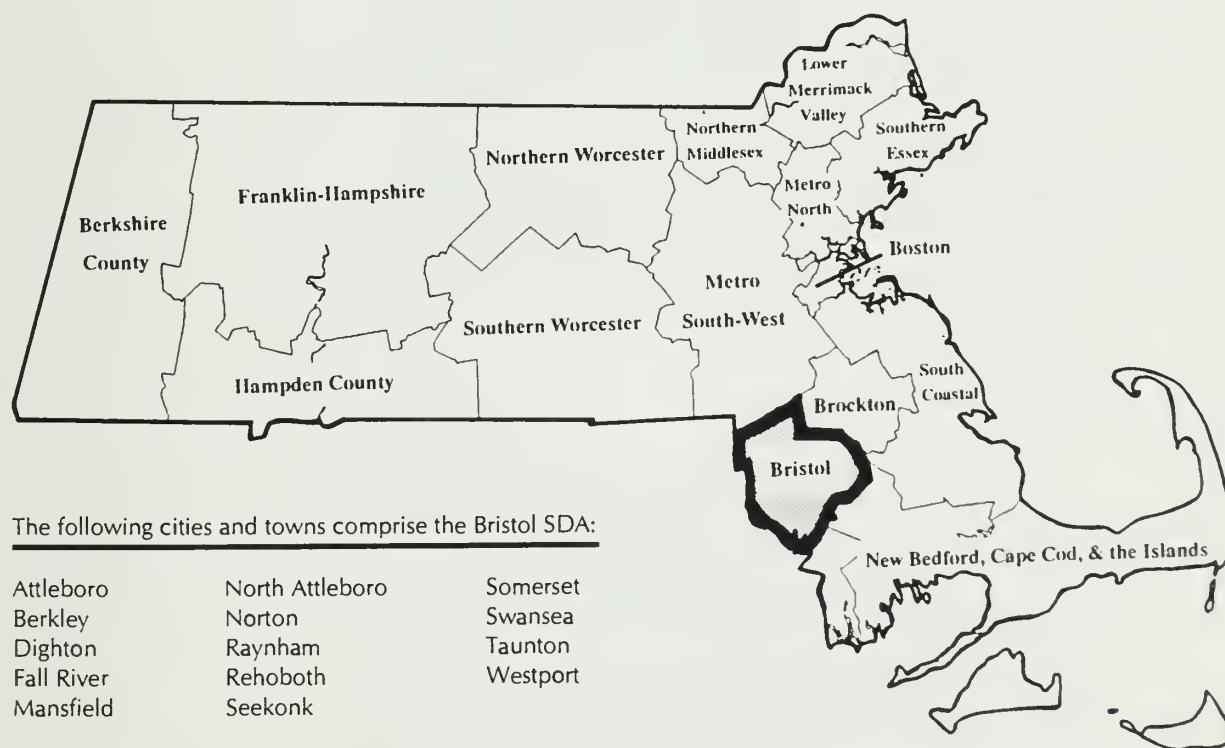


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Massachusetts Service Delivery Area Job Market Reports: **The Bristol SDA**

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Introduction: the SDA Job Market Reports

This report analyzes the economies and job markets of the Commonwealth's 15 Service Delivery Areas between 1984 and 1990. It examines the kind of jobs that local areas generated or lost over the period, the industries that make up the area, the average earnings of workers, the level of unemployment and education in the workforce, and the distribution of jobs by occupation.

This report provides an overview of the emerging economic forces changing the job market. Data on local area population, labor force, employment, unemployment, job growth, wages, and income are included as well as information on how to interpret and use the data.

This report also analyzes the occupational staffing patterns of local economies, publishing for the first time, a detailed occupational employment data base by SDA. Labor leaders, educators, human resource specialists, and Regional Employment Boards can use this data to:

study the geographical movement of jobs and workers within the state to relate the location and number of workers by occupation to demand.

assess and analyze the occupational composition of jobs and skill requirements within areas.

There are 15 Service Delivery Areas in Massachusetts, each profiled in a separate report. Each report, however, contains an overview of the economic growth in all service delivery areas. Refer to the appendix for a listing of the cities and towns comprising a service delivery area.

Service Delivery Areas were established under the provisions of the 1983 federal Job Training Partnership Act, to tailor the Commonwealth's employment and training programs to the needs of citizens in local areas. Some service delivery areas consist of a single county; others are comprised of two or more counties. The Boston Service Delivery Area is the only single-city SDA, while others cross county lines.

plan and design education and training programs

How to Interpret the Job Market and Use the Reports

This report is divided into two sections. Section I summarizes the changes in population, employment and unemployment in all 15 Service Delivery Areas, highlighting the geographic concentration of jobs by industry and occupation. Section II profiles the respective service delivery area and presents a detailed series of tables on the area's occupations and industries.

Table A in Section II lists the number of jobs by occupation and provides the percent distribution of the jobs within the area, highlighting the diverse occupational structure of the SDA. Occupations are grouped by skill level to allow comparisons of similar or related occupations.

Table B in Section II lists the industries where jobs are found in major occupations. Finally, Table C presents the number and type of jobs found in major industries in the local economy. Industries are defined in terms of the Standard Industrial Classification (SIC) system. A detailed description of the SIC, including industry definitions is contained in

the *Standard Industrial Classification Manual, 1972* and the *1977 Supplement*.

How to Use the Data

The following sections briefly outline how to interpret and use the data.

Population

Population trends provide a measure of an area's economic stability. If an area has high unemployment and is losing its economic base, a decline in employment usually results in an eventual decrease in population and income. The opposite is generally true in areas with fast growing economies. The more jobs an area generates, the more people move into the area to seek employment. Population growth, however, can occur independently of employment in certain areas, particularly if the region is a retirement community.

Population changes from natural increases, the difference in the number of births and deaths, and migration, are identified in Table I.

The 1980 and 1988 population estimates are from the Bureau of the Census. Natural increases are derived from the Massachusetts Department of Public Health's estimates of births and deaths. Net migration estimates are derived by subtracting the total net change in population from the natural increase.

Labor Force

The size and characteristics of the labor force determine the number and type of people competing for jobs. Changes in educational requirements, the size of the labor force, and the age structure affect employment opportunities.

Table I lists the total number of persons in the labor force, i.e., those that are either employed or unemployed. This count is residually-based and includes self-employed and unpaid family workers in addition to wage and salary workers.

Growth vs. Number of Jobs

When assessing an area's economic viability, it is important to distinguish between an area's rate of job creation and the number of jobs generated. Even though an area has a fast rate of job growth it may generate fewer numbers of jobs than slow growing areas. For example, the Brockton Service Delivery Area had the second fastest job growth rate, but generated only 4.7 percent of the Commonwealth's jobs. Many of these jobs were low paying and decreased the area's percentage share of total state wages. By comparison, the city of Boston was the slowest growing area, with job growth averaging 0.7 percent per year. Nevertheless, because of its size it generated 7.6 percent of the state's jobs.

The industry employment data shown in Table 2 is compiled through the Department of Employment and

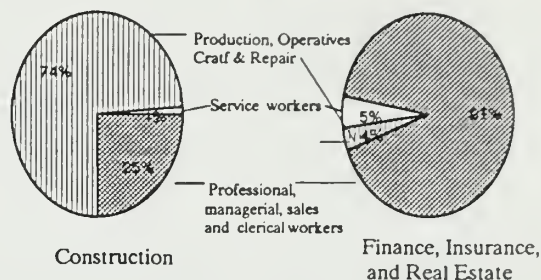
Training's Employment and Wage program. Employment in this context is the count of all persons on the payroll of establishments subject to the Massachusetts Employment Security Law. Employment data were not adjusted to account for such factors as noneconomic coding changes, Standard Industrial Classification code changes, or changes in the multi-location employer reporting. However, since the data are confined to SDAs and large industries and sectors, comparisons of broad economic trends can be made.

Distribution of Jobs by Industry and Occupation

The number of jobs in an SDA depends in large part on the demand for goods and services produced by the area's industries. The growth or decline of an industry, however, has varying effects on individual occupations because industries employ different types of workers. Growth of manufacturing industries, for example, would tend to increase the employment of engineers, technicians and machine operators. In contrast, growth in the finance, insurance, and real estate industries would likely increase the employment of economists, financial analysts and sales and clerical workers.

The distribution of jobs by occupation in Tables 3, A, B and C is based on 1987 data collected by the Occupational Employment Statistics (OES) program, a Federal-State cooperative program. The OES data show how different industries, and different firms in the same industry employ workers in various skills. Over time the data can provide insights into how jobs are affected by technical advances, foreign competition, and shifts in the demand for goods and services.

Chart 1: Industries Differ Substantially In the Kind of Workers They Employ
Percent Distribution of Wage & Salary Workers, 1987



Occupational staffing patterns are based on 1987 data. Over the short-term, occupational staffing patterns are not significantly affected by changes in the job market. Over the long-term, however, staffing patterns are affected by changes in technology and the number of new workers.

Occupational staffing pattern data were obtained for all industries, except for workers employed in agriculture, private households and the federal government. The industries covered in these tables thus account for 97 percent of all wage and salary workers.

Average Annual Wages

Average wage data give a comparative measure of how well jobs pay in specific areas and industries. The data, compiled through the Employment and Wage program, approximates an average annual wage by area and industry. It is computed by dividing total wages by the total number of workers employed.

Annual pay data only approximate annual earnings because an individual may not be employed by the same employer all year, or may work for more than one employer. Annual pay is also affected by the ratio of full-time to part-time workers as well as the number of individuals in

high paying and low paying occupations. Industries characterized by high numbers of part-time workers, such as retail trade, show wage levels appreciably below other industries. The opposite effect characterizes industries with low percentages of part-time workers, or industries which typically have heavy overtime work. Average annual wage data may also be influenced by work stoppages, bonus and retroactive pay, and seasonal factors.

Average wages are computed by place of work. Therefore, the earnings of commuters who reside in one area and work in another, are counted in the area of employment.

Per Capita Income

Per capita income data give a comparative measure of the income of people living in the area versus wage data which reflect earnings of workers who are employed in the area but do not live there. It is computed by dividing total personal income, the sum of earned income from all sources, by the population. Total personal income includes wages and salaries, interest, dividends, and rents, social security etc. Data on per capita income is provided for counties only. It is included to give a more comprehensive picture of an area's economic well-being.

Overview:

Job Trends in the SDAs

The Massachusetts economy performed well between 1984 and 1988. Job growth averaged 2.4 percent per year and average annual wages rose 31.1 percent to \$24,150. (In terms of 1982-84 constant dollars wages rose 15.2 percent.) Unemployment stood at 3.3 percent, a level so low that some economists believed Massachusetts had reached full employment. In 1989 Massachusetts employment growth leveled off. Unemployment inched up to 4.0 percent, but it still ranked Massachu-

setts with one of the lowest jobless rates of the 11 large states. In 1990, however, the industries that generated the bulk of the jobs--construction, services, retail trade, finance, insurance and real estate--declined. Unemployment was up 50 percent from 1989, averaging 189,000 workers or 6.0 percent. Massachusetts' unemployment rate is now higher than the nation's, averaging 9.2 percent (287,000 unemployed workers) during first quarter 1991.

Much of the employment in Massachusetts is concentrated in relatively few metropolitan areas. During the eighties, however, the state's job growth was diversified, as the city of Boston recorded the slowest growth rate of the 15 SDA's. But what areas generated the most jobs between 1984 and 1989? What areas had fast growing economies, low levels of unemployment, and high wages? What areas lost the most manufacturing jobs during the period? Which recorded the highest rates of unemployment in 1990? The following tables show the trends that highlight the answers to these questions.

Population Growth

Table I identifies the SDAs that increased or decreased in population over the decade. It highlights the factors underlying population changes--the natural increase, or the net difference between the number of births and deaths that occurred

Table 1: Changes in Population, Employment, and Unemployment by Service Delivery Area
(Data based on residential counts)

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
1980 Population ⁽¹⁾	145,110	216,696	443,018	208,324	454,116	226,991	260,893	372,795
1988 Population ⁽¹⁾	138,720	224,420	449,950	225,650	471,300	244,320	279,100	375,180
Natural Increase ⁽²⁾	2,014	6,631	17,123	13,861	18,521	16,186	14,825	11,202
Net Migration ⁽³⁾	(8,404)	1,093	(10,191)	3,465	(1,337)	1,143	3,382	(8,817)
Total Net Change	(6,690)	7,724	6,932	17,326	17,183	17,329	18,207	2,385
1988								
Civilian Workforce	72,490	119,780	216,530	108,550	245,820	142,600	137,570	216,270
Employed	69,330	116,120	209,170	104,800	237,880	137,780	132,040	208,960
Unemployed	3,170	3,670	7,370	3,750	7,940	4,820	5,540	7,310
Unemployment Rate	4.4	3.1	3.4	3.5	3.2	3.4	4.0	3.4
1989								
Civilian Workforce	73,250	121,250	217,710	108,280	247,670	143,600	138,880	220,170
Employed	70,040	116,730	208,650	103,270	237,390	137,170	131,620	211,910
Unemployed	3,210	4,520	9,070	5,020	10,280	6,430	7,260	8,260
Unemployment Rate	4.4	3.7	4.2	4.6	4.2	4.5	5.2	3.8
1990								
Civilian Workforce	74,040	123,530	218,520	107,020	245,550	139,780	136,640	220,380
Employed	69,450	116,940	205,410	99,090	229,430	130,300	126,380	208,360
Unemployed	4,590	6,590	13,120	7,940	16,120	9,480	10,250	12,020
Unemployment Rate	6.2	5.3	6.0	7.4	6.6	6.8	7.5	5.5

(1) Estimates from the Bureau of the Census

(2) Derived from Mass. Dept. of Public Health's estimates of births & deaths

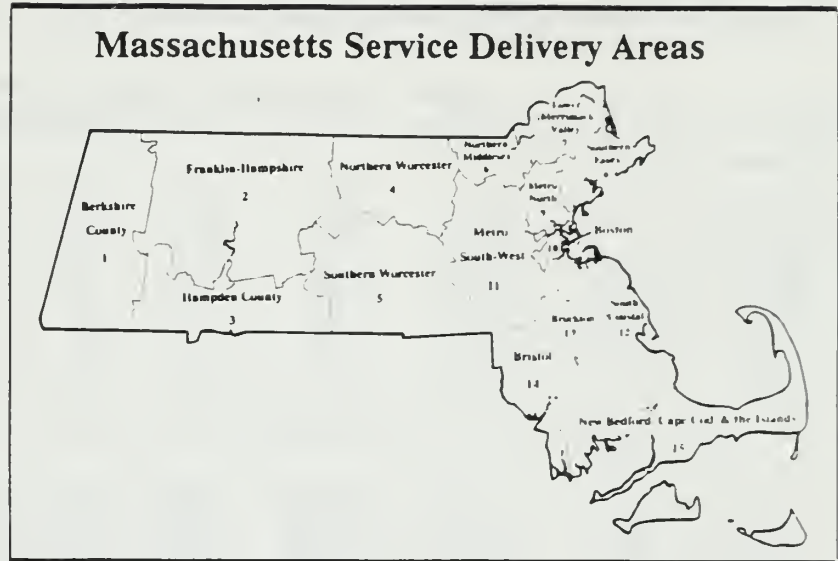
(3) Derived by subtracting total net change from natural increase

between 1980 and 1988; and the net migration, the number of residents that moved in or out of the area.

Statewide Population Growth

Most of the population growth in Massachusetts from 1980 to 1988 has been entirely driven by natural increases as opposed to increases in the number of people moving into the state. From 1970 to 1980 Massachusetts' population expanded less than one percent; from 1980 to 1989, it grew 3 percent, slightly faster than the last 10 years. This growth, however, is still well below the 8.7 percent national average. Several factors explain Massachusetts' slow population growth.

While births have declined throughout the nation, the decline is more pronounced in Massachusetts. From 1960 to 1985, live births in Massachusetts declined 27 percent while nationally, live births declined 12 percent.



Migration out of Massachusetts has been substantial. From 1970 to 1980, 263,000 people left the state. Although the economy improved in the 1980s, Massachusetts still had a net out-migration of 66,800 people between 1980 and 1988.

Population Growth by SDA

Population changes among the SDAs varied. Population increased in 13 SDAs and declined in two. All SDAs had natural population increases, but only 5 SDAs—New Bedford, Cape Cod and the Islands, Northern Worcester,

Metro North	City of Boston	Metro South/West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
725,993	562,994	797,325	453,042	212,705	304,053	353,041	5,737,096
705,680	577,830	808,700	467,410	216,640	311,600	393,200	5,889,700
15,891	26,362	28,788	15,854	13,766	13,217	5,213	219,454
(36,204)	(11,526)	(17,413)	(1,486)	(9,831)	(5,670)	34,946	(66,794)
(20,313)	14,836	11,375	14,368	3,935	7,547	40,159	152,603
396,940	302,660	464,570	248,250	115,820	159,210	207,470	3,155,000
385,960	292,340	454,110	240,640	111,570	152,370	198,270	3,052,000
10,980	10,330	10,470	7,610	4,250	6,830	9,200	103,000
2.8	3.4	2.3	3.1	3.7	4.3	4.4	3.3
399,080	304,160	466,910	250,080	117,250	162,310	209,190	3,180,000
385,830	292,240	454,010	240,570	111,810	153,590	198,130	3,053,000
13,250	11,920	12,900	9,500	5,440	8,720	11,070	127,000
3.3	3.9	2.8	3.8	4.6	5.4	5.3	4.0
397,070	302,530	462,940	250,000	116,820	162,050	209,250	3,166,000
377,300	285,790	443,990	235,230	108,550	148,350	192,340	2,977,000
19,780	16,740	18,960	14,780	8,270	13,700	16,900	189,000
5.0	5.5	4.1	5.9	7.1	8.5	8.1	6.0

Table 2: Job Growth in Service Delivery Areas by Sector, 1984-1989 (Data based on Number of Jobs in Area)

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
Avg Annual Percent Change								
Total, all Industries	1.7	2.8	1.9	1.7	3.0	1.8	1.8	1.4
Construction	13.0	10.8	8.5	7.8	7.1	5.1	5.3	5.7
Manufacturing	-3.1	-2.3	-2.8	-3.3	-1.0	-2.6	-2.1	-3.6
Communications/Utilities	3.9	2.6	4.2	2.7	3.8	8.2	2.2	4.7
Wholesale Trade	-4.3	8.8	1.7	9.6	5.5	8.8	2.7	3.8
Retail Trade	2.7	4.5	3.0	3.3	3.6	2.1	2.7	1.1
Banks, Ins. & Real Estate	0.3	8.7	3.2	5.1	6.0	5.6	3.5	5.2
Services	4.5	4.5	4.0	5.6	5.3	6.9	5.6	4.8
Government	1.8	1.0	2.2	2.2	2.2	2.0	3.5	2.2
Net Change, 1984-1989								
Total, all Industries	5,000	10,380	18,070	6,510	30,680	8,420	9,980	11,100
Construction	1,770	1,420	2,530	1,030	2,430	840	940	1,520
Manufacturing	(2,480)	(1,670)	(6,550)	(4,130)	(2,650)	(4,850)	(4,750)	(6,700)
Communications/Utilities	320	300	1,640	330	1,630	1,280	420	1,010
Wholesale Trade	(450)	850	740	1,190	3,330	1,450	710	1,370
Retail Trade	1,690	3,300	5,710	2,190	6,880	1,770	2,330	2,170
Banks, Ins. & Real Estate	20	990	2,060	560	3,470	770	790	1,620
Services	3,550	4,150	8,590	3,810	12,560	5,750	6,750	8,150
Government	530	820	3,100	1,300	2,520	1,120	2,470	2,050
Percent Change, 1984-1989								
Total, all Industries	8.6	14.6	9.7	9.0	16.0	9.0	8.8	7.5
Construction	81.6	62.7	46.9	37.0	34.8	24.4	25.9	30.2
Manufacturing	-14.7	-11.0	-13.3	-15.4	-5.0	-12.4	-10.6	-17.0
Communications/Utilities	20.4	13.8	22.6	13.2	20.2	40.5	10.0	25.5
Wholesale Trade	-22.4	51.0	7.7	56.7	30.2	50.8	14.1	20.7
Retail Trade	13.8	24.3	16.1	17.6	19.4	10.9	14.1	5.7
Banks, Ins. & Real Estate	1.0	47.8	16.9	27.3	32.7	28.0	18.5	28.7
Services	24.2	24.3	21.6	30.8	29.3	39.1	31.1	26.3
Government	9.4	5.0	11.7	11.6	11.2	10.5	18.6	11.6

Lower Merrimack Valley, Northern Middlesex, and Franklin-Hampshire--had net in-migration.

Table 1 shows that New Bedford, Cape Cod and the Islands gained the most population over the decade, while Metro North and Berkshire County lost population. There are a number of reasons for population changes. One is that people move out of areas with weak job markets to where the jobs are. In Berkshire County and Metro North, job growth underperformed that of the state. But in New Bedford, Cape Cod and the Islands population growth primarily resulted from 34,946 people moving into the area. The area's economic boom, quality of life, and lower cost of living attracted them

to seek employment or retire. The characteristics of this SDA therefore make economic analysis of the employment growth to population growth relationship more difficult.

A Note on Population Counts

At the time of this writing, 1990 Census data were not available. Some preliminary figures have since become available, showing a faster rate of growth between 1988 and 1990. Differences in the statewide rate of growth from 1980-1988 and 1980-1990, appear to be less than two tenths of a percentage point on an annualized basis. On an SDA basis, differences in the rate of change between the two figures appear to be most significant for only Bristol, Franklin-Hampshire, Metro North,

and Southern Worcester. However, population counts for 1990 are preliminary and are subject to possible correction for undercounts or overcounts. The U.S. Department of Commerce is considering whether to correct these counts and will publish corrected ones if any, no later than July 15, 1991.

Labor Force and Employment

Table 1 also identifies the areas with the largest labor force and the most employment in 1988, 1989, and 1990. Some significant differences exist in the concept of employment. Because interurban commuting outside of many service delivery areas is common, residential and business growth often diverge. The data in table 1 are

Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
1.3	0.7	2.0	3.3	3.0	2.1	2.3	1.8
5.7	3.1	5.2	8.1	6.6	11.8	6.4	6.1
-3.6	-7.0	-2.1	-5.4	-3.6	-3.1	-4.8	-3.6
4.7	-2.3	1.5	5.8	3.0	2.4	2.0	1.0
3.9	-4.7	6.4	4.8	10.2	8.5	7.0	3.9
1.1	-1.5	1.8	2.2	4.8	5.0	3.0	2.1
5.2	1.4	4.4	10.9	6.0	4.6	4.4	4.1
4.8	3.0	5.0	6.7	5.1	4.7	5.7	4.4
1.0	2.7	1.0	1.0	0.8	3.8	2.5	2.0
22,560	19,680	46,060	27,780	12,180	13,230	17,200	258,190
3,110	1,670	3,980	3,630	1,150	2,280	1,990	30,430
(26,530)	(14,220)	(14,230)	(6,860)	(2,610)	(7,060)	(6,450)	(112,440)
(1,120)	(4,140)	1,030	1,760	670	420	660	5,680
8,920	(5,630)	10,770	2,120	2,390	2,600	1,540	31,580
4,980	(4,610)	7,030	4,950	4,660	6,270	5,970	55,930
6,950	5,110	4,680	7,960	960	1,110	1,310	38,730
24,380	29,040	29,960	12,490	4,190	4,880	9,310	167,370
1,540	12,370	2,460	900	490	2,580	2,410	36,540
6.5	3.7	10.2	17.7	16.1	11.1	12.1	9.2
23.8	15.6	25.7	43.7	35.2	67.0	31.6	31.6
-32.6)	30.4	-10.3)	-24.6)	-17.0	-14.8)	-21.8)	-16.7)
8.4	-11.1	7.1	31.5	14.8	12.2	10.0	4.8
40.9	-21.8	35.7	26.4	60.6	48.2	39.8	21.0
8.2	-7.3	9.1	11.5	26.5	27.1	15.8	11.1
57.7	6.9	23.8	65.8	33.7	25.0	23.2	22.1
21.3	15.6	27.7	38.2	28.3	26.0	32.0	23.7
5.3	14.2	5.2	4.9	3.8	20.2	12.9	10.4

eas usually have the largest labor force and employment. The data in tables 2, 3, and 4 are employer based. These tables represent employment changes in business establishments within an area.

Massachusetts' civilian labor force grew by 10.9 percent or by 313,000 between 1980 and 1989. Women accounted for 80.2 percent of the increase. Hurt by slow population growth, Massachusetts' labor force growth lagged behind the 15.8 percent national average growth rate recorded for the same period. In 1990, however, the Massachusetts labor force declined marginally to 3,166,000, a loss of 14,000 workers from 1989.

Over half of Massachusetts' labor force resided in 5 SDAs and more than a third lived in just three of these SDAs—Metro South-West, Metro North, and the City of Boston.

Metro South-West, the area bounded by Route 128 and Interstate 495, has the largest and most educated labor force in the state. In 1990 it accounted for approximately 15 percent of the state's labor force and employment. Metro North and the City of Boston, the second and third largest SDAs in terms of population and employment, accounted for 12.6 and 9.6 percent of Massachusetts employment, respectively.

South Coastal and Southern Worcester, the fourth and fifth largest SDAs,

each accounted for about 8 percent of Massachusetts' employment. Berkshire County, the state's smallest SDA in terms of population, labor force, and employment had only 2.3 percent of the state's employment.

Unemployment

Table I also shows the distribution of unemployment and the jobless rates among the 15 SDAs. Bristol, New Bedford, Cape Cod and the Islands, and Lower Merrimack Valley, areas with nondiversified economies, had among the highest rates of unemployment in the state in 1988, 1989, and 1990. In 1990, Bristol's and New Bedford, Cape Cod and the Island's jobless rate topped 8.0 percent. Despite problems in its high technology industries, Metro South-

Table 3: Distribution of Jobs in Service Delivery Areas by Industry & Occupation

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
Industrial Distribution								
Total Jobs	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Construction	5.9	4.5	3.9	4.8	4.2	4.2	3.7	4.1
Manufacturing	22.9	16.6	20.8	29.0	22.8	33.8	32.4	20.4
Communications/Utilities	3.0	3.0	4.4	3.5	4.4	4.4	3.7	3.1
Wholesale Trade	2.5	3.1	5.0	4.2	6.5	4.2	4.7	5.0
Retail Trade	22.2	20.7	20.2	18.5	19.0	17.7	15.3	25.2
Banks, Ins. & Real Estate	4.0	3.8	7.0	3.3	6.3	3.4	4.1	4.5
Services	28.9	26.0	23.6	20.4	24.9	20.1	23.0	24.5
Government	9.9	21.2	14.5	15.9	11.3	11.5	12.7	12.3
Occupational Distribution								
Total, all Occupations	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial & Executive	8.8	8.7	7.7	8.6	8.6	9.0	8.0	8.6
Prof. & Technical	19.9	21.8	16.7	14.8	18.9	23.3	20.7	16.6
Marketing & Sales	12.0	10.6	13.7	11.5	12.6	13.1	9.8	14.0
Clerical & Administrative	14.8	15.2	17.3	15.3	18.0	16.8	16.6	16.6
Service	16.9	17.9	15.6	13.3	15.0	12.4	13.9	17.5
Prod, Const Wkrs/Operators	27.7	25.8	29.0	36.5	26.9	25.4	30.9	26.8

West continues to have the lowest unemployment rate in Massachusetts, helped along by a low population growth rate, about half that of the state.

Job Growth

Table 2 details the economic growth within each SDA over the 1984-1989 period. It identifies the average yearly change in industry employment levels among the SDAs, the number of jobs generated or lost by each industry over the 5 year period, and the percent change in industry employment levels between 1984 and 1989.

It is important to note that annual 1990 SDA job data are not available at the time of this writing. However, statewide job losses for 1990 totalled 125,700, the highest ever recorded. This downward trend is expected to continue well into 1991.

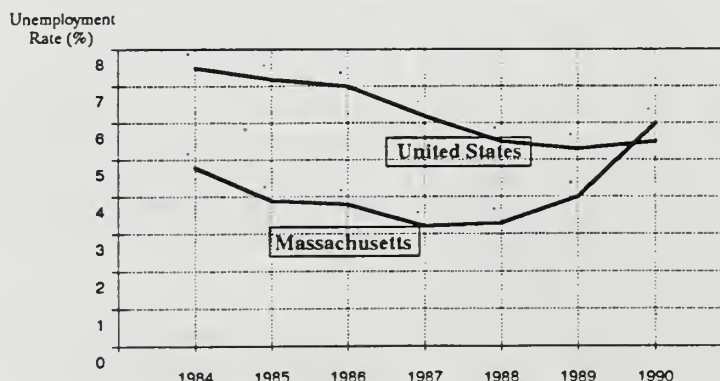
Metro South-West generated over 46,000 jobs, the most of any SDA between 1984 and 1989. South-

ern Worcester generated 30,680 jobs, the second largest number. This is significant because Southern Worcester is only one-half the size of Metro South-West, in terms of total number of jobs. South Coastal, benefiting from the expansion of office employment and its proximity to Boston, generated 22,560 jobs, the third largest number of jobs and the fastest rate of growth at 17.7 percent. In total, these three SDAs accounted for over 38 percent of the

Commonwealth's jobs between 1984 and 1989. Boston, the state's capital and largest SDA, generated 19,675 jobs, less than half the number Metro South-West created. Job growth averaged 0.7 percent per year in Boston, the lowest of Massachusetts' SDAs.

Service industries generated the bulk of the SDAs' jobs over the period. Only in Brockton and Bristol, areas

Chart 2: Unemployment rates decreased between 1984 and 1987 in Massachusetts, while they continued to fall in the US until 1989.



Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.4	2.2	3.9	6.4	5.0	4.3	5.2	4.2
14.9	5.9	24.7	11.3	14.4	30.6	14.6	18.3
3.3	6.0	3.1	4.0	5.9	2.9	4.6	4.1
8.3	3.7	8.2	5.5	7.2	6.0	3.4	6.0
17.8	10.7	16.8	26.0	25.3	22.1	27.6	18.4
5.1	14.4	4.9	10.8	4.3	4.2	4.4	7.0
37.5	39.0	27.7	24.4	21.6	17.8	24.2	28.6
8.2	18.0	9.9	10.3	15.4	11.5	13.3	12.8
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.4	9.6	9.2	9.0	7.9	7.5	8.8	8.4
21.4	25.9	23.0	16.3	16.1	14.4	15.3	22.2
12.6	9.6	12.7	15.4	13.6	12.6	13.6	11.7
19.9	24.3	18.1	20.0	18.9	15.9	15.7	18.7
14.3	16.9	14.2	16.1	15.4	14.6	19.5	16.0
22.4	13.7	22.8	23.2	28.2	35.5	27.1	23.0

with high concentrations of retail trade industries, did the retail trade sector generate more jobs than service industries.

The mix of service industries within each SDA varies. Boston, Metro South-West, and Metro North have the highest concentrations of high technology service industries in the Commonwealth. In these 3 SDAs, annual service industry wages approximated \$27,000, significantly higher than other SDA's (see table 4). For example, Bristol, Northern Worcester, and Franklin-Hampshire, with smaller concentrations of business service industries, have average annual service industry wages that are only 66 percent of Boston, Metro South-West and Metro North.

The plight of the state's manufacturing sector is also very visible in table 2. Manufacturing employment declined in every SDA over the 1984-1989 period. However, the biggest losses of manufacturing jobs have been in Metro North which lost 26,530 jobs; Metro South-West which

lost 14,230 jobs; and the City of Boston which lost 14,220 jobs.

Job Distribution by Industry and Occupation

Table 3 shows the distribution of jobs by industry sector and occupational group in the state's 15 SDAs. These tables highlight the geographic differences in the structure of each local area's economy and job market. In the city of Boston, for example, fewer than 6 percent of the jobs are in manufacturing industries. In contrast, almost a quarter of the jobs in Metro South-West and over a third of the jobs in Northern Middlesex are in manufacturing.

The mix of industries and the structure of an area's economy directly influences the number and types of jobs found within the SDA. The distribution of jobs in major occupational categories in table 3 illustrates this point. In Berkshire County, for example, approximately 23 percent of the workforce is employed in manufacturing industries, compared to 18

percent statewide. Because an above average number of manufacturing jobs are concentrated in Berkshire County, a greater percentage of the workforce has jobs in production, construction and operating occupations than statewide (28% vs 23%). Similarly, because Berkshire County is not a major banking and insurance center, approximately 15 percent of the SDA's workers have office jobs in clerical occupations, compared to 19 percent statewide.

The distribution of jobs by occupation is based on 1987 data, collected from the Occupational Employment Statistics Survey. Changes in industry structure since 1987 do not significantly affect an area's occupational staffing patterns. Over the long term, however, occupational staffing patterns do change with the advances of technology and supply of new workers.

When reviewing the data in table 3 and tables A, B and C of this report it is important to remember that labor markets for a particular occu-

Table 4: 1989 Average Annual Wages by SDA and Industry

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
Total, all Industries	\$21,736	\$20,253	\$21,683	\$21,486	\$23,002	\$26,241	\$24,017	\$22,964
Construction	25,773	24,628	28,663	25,645	27,444	27,341	28,270	27,525
Manufacturing	31,263	25,813	27,554	27,630	30,368	35,339	29,746	33,533
Communications/Utilities	22,544	25,654	26,317	21,110	28,219	22,459	29,672	25,602
Wholesale Trade	27,853	23,947	26,759	26,563	27,727	31,911	32,433	31,899
Retail Trade	12,158	11,282	12,045	12,015	12,432	13,433	12,554	12,916
Banks, Ins. & Real Estate	25,548	20,241	26,010	21,010	25,847	25,222	22,964	25,008
Services	19,090	18,778	19,635	18,139	19,872	21,959	20,740	19,862

pation may cover areas wider than those defined by the SDAs. Many professional occupations, for example, have national labor markets.

Average Annual Wages

Table 4 lists the average annual wage in each SDA by industry sector. The average industry wage gives a comparative measure of the industry's pay scale. Compiled through the Employment and Wages program, the data approximates an average annual wage for all workers in the

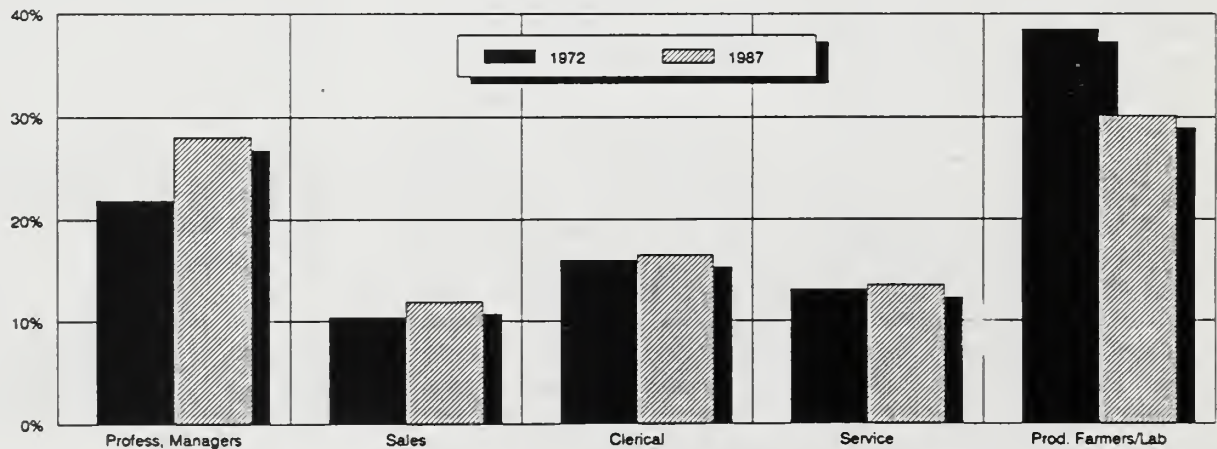
industry. It is computed by dividing the total industry wages by the total number of workers, regardless of part-time or seasonal status.

Given the concentration of banks, law firms, insurance and real estate companies, and high tech industries in Boston, wages here are the highest in the state (\$29,810), followed by Metro South-West (\$28,685), and Metro North (\$26,644). The high concentration of seasonal jobs in New Bedford, Cape Cod and the

Islands contributed to this SDA's reporting the lowest wages in the state (\$19,210).

Wages vary within sectors, depending upon the mix of industries located within the SDA. Given the concentration of computer firms in Metro South-West and Northern Middlesex, for example, the manufacturing wages reported in each of these areas are the highest in the state. In contrast, given the concentration of the low paying apparel

Chart 3: The percentage share of employment in the US is rising the fastest in occupational groups requiring the most education and decreasing in occupations requiring less education



Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
\$26,644	\$29,810	\$28,527	\$22,685	\$22,568	\$20,306	\$19,210	\$25,220
31,948	35,439	31,775	30,861	29,601	25,010	24,454	29,554
31,688	31,345	36,854	27,016	24,625	23,443	22,333	30,926
30,025	36,196	29,273	31,008	27,067	27,156	25,486	29,889
34,402	34,227	38,408	30,622	29,729	26,733	23,015	32,779
14,747	15,128	15,683	14,238	14,687	12,151	12,743	13,775
26,747	41,550	27,903	26,185	23,572	19,493	22,079	31,525
27,332	27,678	26,609	20,528	20,162	17,916	18,465	24,010

and needle trade industries in Bristol and New Bedford, manufacturing wages here are the lowest in the state.

The same can be said of service industry wages. The city of Boston and Metro North have the highest paying service industries in the state. The average worker employed in Boston's service industries earned \$27,678 in 1989, the highest in the state. Similarly, due to the concentration of high paying engineering, management and research firms in the service industries in Metro North, the area is the only SDA where the average service wage is higher than the average for all wages (\$27,332 vs. \$26,644).

Education's Importance

With the economy currently restructuring, occupational growth will certainly be affected, since each industry requires a different mix of occupations to produce its goods and services. An analysis of the kinds of jobs generated in the United States between 1972 and 1987 shows that, in general, employment increased the fastest in occupational groups requiring the most education and decreased in occupations requiring less education. In 1972 managerial, executive and administrative occupations were 8.9 percent of all jobs. By 1987, their share increased 2.9 percentage points to 11.8

percent. In contrast, the share of low skilled occupations such as operators, fabricators, and laborers decreased 6 percentage points. In 1972 they were 21.2 percent of all jobs--the largest occupational share--but by 1987 they were only 15.2 percent of all jobs. These trends are expected to continue in the 1990s.

Education and Jobs in Massachusetts

Despite Massachusetts' recent downturn in employment, the educational requirements in the emerging job market will continue to be more heavily geared toward those jobs requiring either college or post secondary training.

The Bristol Service Delivery Area

Economic Overview

Bristol's industrial base and economy grew rapidly between 1984 and 1989. Benefitting from Massachusetts' economic boom, Bristol's employment expanded 2.7 percent per year during this time, faster than the 1.8 percent average statewide growth rate, and generated 13,230 jobs, 5 percent of the Commonwealth's jobs. The beginning of the recession in 1990, however, reversed Bristol's economic gains and dropped the SDA's employment.

Bristol's economic growth during the eighties was similar to the growth of many outlying suburban areas with an expanding population and available real estate. As real estate becomes developed for residential, retail and commercial uses, the economy expands. Jobs are created, people move into the area, and support industries begin to grow.

Construction, retail trade, and services, the industries most affected by population growth and real estate development, accounted for most of the new jobs generated in both the Bristol and statewide boom. In Bristol however, jobs in construction accounted for 17.2 of all jobs compared to 11.8 percent in Massachusetts.

Not all sectors of Bristol's economy grew, however. Manufacturing, both the highest paying and largest employer in the SDA, declined 14.8 percent, losing 7,060 jobs. The decline in Bristol's manufacturing jobs was similar to the state's 16.7 percent drop. However, manufacturing job losses in Bristol have greater repercussions than in the state as a whole, since many of the new nonmanufacturing jobs generated in the SDA over the period were lower paying and decreased Bristol's wages as a percent of total state wages.

Bristol has the second highest concentration of employment in production, construction and machining occupations among Massachusetts' 15 SDAs. Due to the high number of manufacturing establishments in Bristol, jobs in production, construction and machining occupations account for 35.5 percent of Bristol's employment, compared to 23.0 percent in Massachusetts. Clerical and administrative workers account for the second largest number of jobs, or 15.8 percent of employment. Professional and technical jobs rank third with 14.3 percent. This represents a significant departure from the state job market, where pro-

fessional and technical workers have the second largest number of jobs, 22 percent.

Economic Base

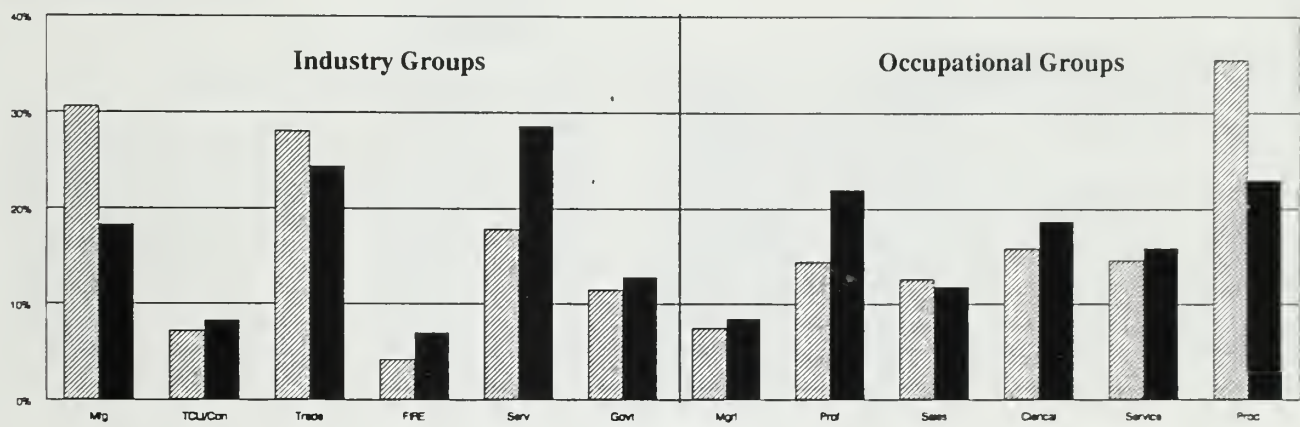
Manufacturing accounts for 18.3 percent of Massachusetts' jobs, but 30.6

Definition of Area

The Bristol Service Delivery Area in southeastern Massachusetts consists of three major cities and 11 small rural towns that border Rhode Island. Bristol's manufacturing continues to represent a proportionately higher share of the state's economic base. In 1989 it comprised 4 percent of Massachusetts' employment, but 7 percent of the state's manufacturing.

Distribution of Employment by Industry and Occupation

 The Bristol SDA
 State Average

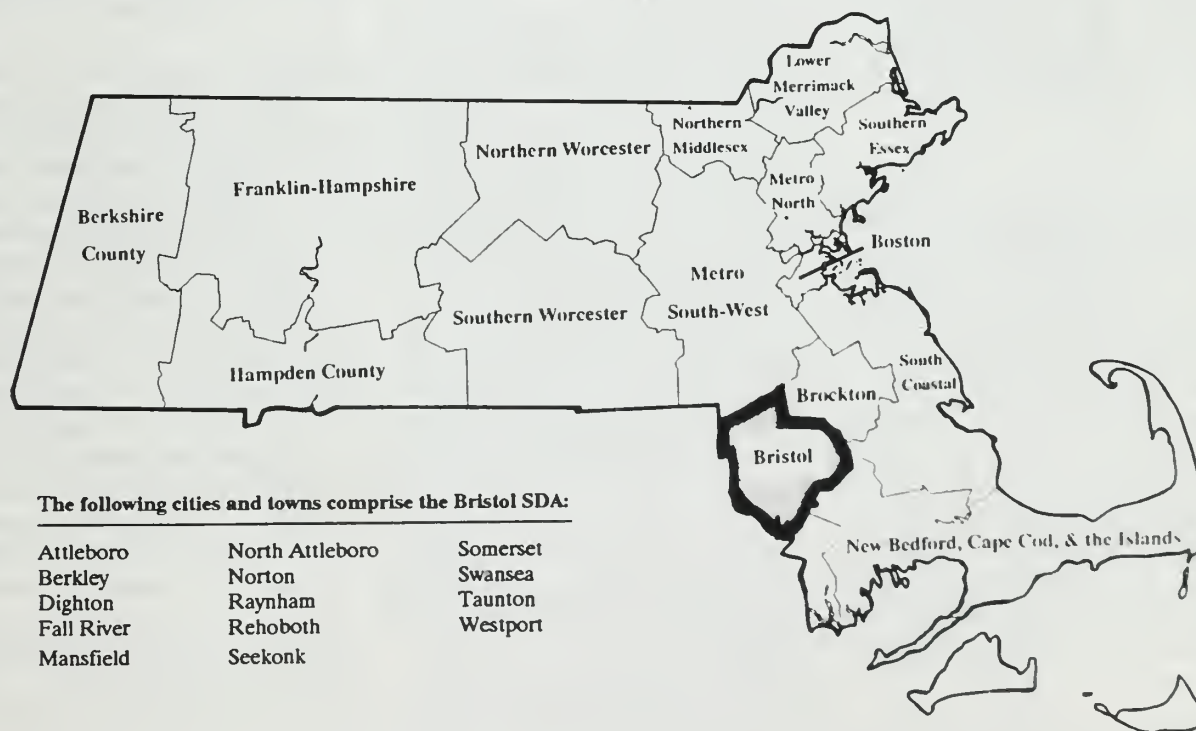


percent of Bristol's jobs. It is concentrated in lighting equipment; electrical industrial equipment; jewelry, silverware and plated ware; apparel and textiles; and fabricated metals.

Traditional manufacturing industries account for twice as many jobs in Bris-

tol's economy than the state's. However, Bristol's manufacturing diversified during the 1970s and 1980s and now high tech manufacturing accounts for 26 percent of its manufacturing base. This is low in comparison to the state, where high tech manufacturing comprises 41.1 percent of all manufactur-

ing. Although high tech employment in Bristol's manufacturing base is eclipsed by employment in its traditional manufacturing industries, high tech industries account for a slightly greater share of jobs overall than in the state (8% vs 7.5%).



Employment in Major Groups

		Percent Distribution	
(Note employment levels exclude federal government, private households and agricultural workers)	Employment	SDA	State Average
Total, all Occupations	128,150	100.0	100.0
Prod/Constr Wkrs & Operators	45,500	35.5	23.0
Clerical & Administrative	20,310	15.8	18.7
Professional & Technical	18,350	14.4	22.0
Service Occupations	18,290	14.6	15.9
Sales Occupations	16,075	12.6	11.8
Managerial & Executive	9,625	7.5	8.5

Bristol's high tech manufacturing industries, however, have not been able to offset job losses in its traditional manufacturing base. Between 1984 and 1989, Bristol lost 7,060 manufacturing jobs, 14.8 percent of its manufacturing employment. The state lost 16.7 percent of manufacturing employment over the same period, however, since manufacturing plays a far greater role in the Bristol economy than in the state, its trends are fundamentally important to the economic performance of Bristol's service and retail trade sectors.

Retail trade employs the second largest number of workers in the Bristol SDA (29,390) and accounts for a greater share of total employment in the SDA than in the state (22.1% vs 18.4%). The Emerald Square Mall in North Attleboro and the strip mall in Seekonk attract a large number of shoppers from Providence, due to their location and Massachusetts' lower sales tax. Fall River's clothing mills and factory outlets make another contribution to the economic base. Eating and drinking places, however, account for most of the retail employment (30.6%) followed by food stores (15.9%), and miscellaneous retail stores (12.6%).

Retail trade accounted for nearly half

the jobs Bristol generated between 1984 and 1989 and 21.7 percent of the state's jobs. Retail trade had been one of the fastest growing industries during the eighties, before levelling off in 1989 and declining in 1990. Over the decade, retail trade employment is expected to grow more slowly as will the population and labor force, limiting demand for goods and services.

Service industries encompass a wide range of activities such as business, health, education, recreation, and management consulting. Despite this diversity, service industries can still be divided into two categories: services sold for consumer use, and services used by business as part of the production of goods and services.

Service industries employ the third largest number of workers in the Bristol SDA (23,650). Although they comprise a smaller percentage share of total employment in the SDA than in Massachusetts (28.8% vs 34.1%), Bristol's service industries are more consumer-oriented than the state's, and thus depend to a greater extent on local population and income growth for support.

Establishments providing services in personal care, repair, amusement,

health, and education primarily serve the local population and comprise 73.3 percent of Bristol's service industry employment, compared to 59.7 percent statewide. Business oriented services in advertising, computer and data processing, legal, engineering, consulting, accounting and other professional services account for 26 percent of Bristol's service sector employment, compared to Massachusetts' 40.3 percent.

Between 1984 and 1989, the construction industry accounted for 17.8 percent of Bristol's total new jobs compared to 11.8 percent of the state's. As a result, Bristol became more vulnerable than the rest of the state to the subsequent softening of the real estate market. From 1984-1988 construction employment in Bristol almost doubled, rising from 3,410 to 6,150. After 1988 when employment growth peaked, Bristol's construction employment was no longer sustainable, and fell 7.6 percent to 5,685 in 1989. As in the state as a whole, construction employment in Bristol fell much more sharply in 1990. Construction booms, by their very nature, are unsustainable and thus cannot be relied upon for long-term stable job growth.

Top Ten Occupations and Industries with the Largest Employment

Top Ten Occupations

Retail Trade Sales Representatives	5,315
General Managers and Top Executives	4,365
Cashiers	3,895
Assemblers and Fabricators, exc Machine & Electrical	3,660
Waiters and Waitresses	3,105
Sewing Machine Operators	2,930
Helpers and Laborers, nec	2,865
General Office Clerks	2,530
Secretaries	2,425
Bookkeepers and Auditing Clerks	2,270

Top Ten Industries

Elementary & Secondary Schools, public & private	6,320
Jewelry, Silverware & Plated Ware	5,520
Hospitals, public & private	5,510
Local Govt., exc. schools & hospitals	4,230
Misc. Fabricated Textile Products	2,200
Electric Lighting & Wiring Equipment	2,030
Women's & Misses' Outerwear	1,870
Textile Finishing, exc Wool	1,750
Broadwoven Fabric Mills, manmade	1,565
Offices & Clinics of Medical Doctors	1,450

Occupational Composition

Due to the high concentration of manufacturing establishments located in the SDA, production and construction workers, mechanics, assemblers, helpers and laborers have the most jobs (45,500), or 35.5 percent of all jobs. This percentage share is significantly greater than the 23 percent employment concentration found in Massachusetts.

The second largest number of jobs in Bristol is found in clerical and administrative occupations. Because Bristol is not a major banking and insurance center, clerical and administrative workers comprise approximately 15.8 percent of employment compared to 18.7 percent statewide. Professional and technical workers hold the third largest number of jobs in the SDA with 18,350 jobs or 14.4 percent. Given the small number of establishments providing business and professional services in Bristol, professional and technical workers comprise a smaller share of total employment here than statewide.

Service workers, with 18,290 jobs, are almost as numerous as professional and technical workers. Service workers comprise a smaller percentage of

jobs in the SDA than in the state (14.6% vs 15.9). Sales workers and managers comprise 12.6 percent and 7.5 percent of employment, respectively.

Managerial Occupations

Managers and executives account for 7.5 percent of Bristol's employment. Statewide, managers and executives at 8.5 percent hold a slightly greater share of jobs. About 30 percent of the managers in Bristol are managers of finance, personnel, purchasing, marketing, engineering and administrative services. Middle managers in education, manufacturing, construction, real estate, health services, utilities, and food service and related hospitality industries comprise another 17 percent of the management jobs. General managers and top executives, however, whose jobs are too diverse and general in nature to be classified in any functional or line area of management, comprise the most jobs in Bristol, 45 percent.

Professional and Technical Occupations

Professional and technical workers numbering 18,350 comprise 14 percent of Bristol's employment, compared to 22 percent statewide. Health practitioners and technicians and technologists

hold the most professional and technical jobs (5,740 or 31.3 percent). Registered nurses, one of the largest occupations in both the state and SDA, account for 38 percent of employment in this group. Teachers, educators, librarians, and aides are almost as numerous as health practitioners, technicians and technologists with 5,470 jobs, or 30 percent of employment. Elementary and secondary teachers account for the most teaching jobs, 45 percent. College and university professors account for another 12.6 percent of employment.

Accountants, auditors and other financial specialists; purchasing agents and buyers; personnel, training, labor relations specialists and other management support workers are the third largest jobholders in the professional and technical group with 2,140 jobs. Accountants and auditors comprise 25 percent of the jobs in this group. Engineers and engineering technicians and technologists comprise another 1,920 jobs. Electrical and electronic engineers hold the most engineering jobs at 420, or 21 percent.

Sales Occupations

Sales workers comprise 12.6 percent

Labor Force, Employment and Unemployment

	Labor Force	Employed	Unemployed	Unemployment Rate	
				SDA	State Average
1983	153,950	139,340	14,610	9.5	6.9
1984	154,990	144,630	10,360	6.7	4.8
1985	154,030	145,160	8,870	5.8	3.9
1986	153,180	144,360	8,820	5.8	3.8
1987	155,820	147,980	7,270	4.7	3.2
1988	159,210	152,370	6,830	4.3	3.3
1989	162,310	153,590	8,720	5.4	4.0
1990	162,050	148,350	13,700	8.5	6.0

of Bristol's employment compared to 11.8 percent statewide. Retail trade sales representatives, cashiers, and stock clerks are the largest sales occupations in both Bristol and Massachusetts. In Bristol, however, they account for a larger share of the sales jobs than in Massachusetts (70% vs 61.3%) because of the larger concentration of retail trade industries in the SDA.

Clerical Occupations

The 20,310 clerical workers in Bristol account for 15.8 percent of employment. Secretaries, bookkeepers, and other general office workers account for over half of the employment in clerical occupations. Schedulers; dispatchers; distributors; traffic, shipping, and receiving clerks; and order fillers make up another 17 percent of clerical employment.

Service Occupations

In Bristol jobs in food service occupations account for over half of the 18,290 jobs in service occupations. Cooks, waiters, waitresses, and food preparers make up the majority of employment in food service occupations. Janitors and cleaners and other building service workers comprise another 14.5 percent of the service jobs. Health service

workers, such as home health aides, and nursing aides and attendants hold another 12.9 percent of the service jobs. Security guards, police officers and detectives and cosmetologists account for the majority of the remaining employment in service occupations.

Production, Construction and Machining Occupations

Production and construction workers, operators, fabricators, assemblers, and helpers and laborers hold the most jobs (45,500), or 35.5 percent of employment in Bristol. Machine setters, set-up operators, operators, and tenders are the largest jobholders in this group, with 13,425 jobs or 29.5 percent. Textile machine setters, operators, and tenders account for over half the employment in machining operating occupations. Metal and plastic machine operators account for another 3,715 jobs. Assemblers and other hand workers hold the second largest number of jobs, 6,860 or 15 percent of employment.

Population

Between 1980 and 1988 population in Bristol increased 2.5 percent, from 304,053 to 311,600. To a large extent, population changes can reflect job

market conditions. During the 1981-82 recession, when Bristol's unemployment rate was higher than the state's, the Bristol population declined marginally, and as the economy improved, population growth resumed. However, much of Bristol's population growth from 1980 to 1988 stemmed from an increase in births over deaths, rather than an increase in the numbers of people moving into the area, for 5,670 people left the area between 1980 and 1988.

A Note on Population Counts

At the time of this writing, 1990 Census data were not available. However, preliminary figures are available, showing a faster rate of growth for the Bristol SDA between 1988 and 1990. Bearing in mind that final figures may show differently, the net gain from 1988-1990 is 13,544 persons higher than, or nearly double the estimated 1980-1988 net gain.

Labor Force/Unemployment

Bristol's labor force expanded three times as fast as its population during the eighties. Fueled by dramatic increases in the numbers of women looking for work and the aging of the "baby boom" generation, Bristol's labor force

expanded 10 percent, from 147,660 in 1980 to 162,310 in 1989. In 1990, however, Bristol's labor force declined to 162,050, as unemployment rose sharply and discouraged workers from entering the labor market.

With the number of jobs increasing faster than the number of jobseekers, Bristol's unemployment rate fell from a high of 6.7 percent in 1984 to a low of 4.4 percent in 1988.

Calendar year 1988 marked the end of declining unemployment in Bristol. In

1989 both the number of unemployed and the jobless rate increased. In 1990 Bristol's employment fell significantly, and its jobless rate rose sharply to 8.5 percent, a full 2.5 percentage point increase above the state level.

Income/Wages

Due to the predominance of employment in low-paying needle trades industries, wages and salaries in Bristol have historically been lower than the state's. During the most recent economic expansion from 1980 to 1989, real wages in the Bristol SDA increased more slowly

than the state average (19.3% vs 21.3%). The average wage for all workers covered by unemployment insurance in the Bristol SDA rose to \$20,306 in 1989, but continued to remain well below the state average (\$25,220). Throughout the eighties, Bristol's wages fell further behind state wages. In 1980, for example, Bristol wages were 81.9 percent of the state's wages; in 1989 they were 80.5 percent. In this SDA, the lack of employment growth in better paying industries in this SDA caused Bristol's wages to fall further behind the state.

**Table A:
The Bristol SDA
Employment
by Occupation**

		Employment	Percent Distribution
	Total Occupational Employment	128150	100.00
Managerial Occupations	Managerial And Administrative Occupations	9625	7.50
	Staff And Administrative Specialty Managerial Occupations	2875	2.24
	Financial Managers	980	0.76
	Personnel, Training And Labor Relation Managers	175	0.14
	Purchasing Managers	320	0.25
	Marketing, Advertising And Related Managers	590	0.46
	Administrative Service Managers	525	0.41
	Engineering, Mathematical And Natural Science Managers	285	0.22
	Line And Middle Management Industry Specific Occupations	1625	1.26
	Education Administrators	310	0.24
	Medical And Health Service Managers	155	0.12
	Property And Real Estate Managers And Administrators	60	0.05
	Industrial Production Managers	465	0.36
	Construction Managers	240	0.19
	Communications, Transportation, Utilities Operations Managers	135	0.10
	Food Service And Lodging Managers	260	0.20
	Other Managerial And Administrative Occupations	5125	4.00
	Pub Admin Chief Executives, Legislators, General Administrators	130	0.10
	General Managers And Top Executives	4365	3.41
	All Other Managers And Administrators	630	0.49
Professional & Technical Occupations	Professional, Paraprofessional And Technical Occupations	18350	14.35
	(Management Support Occupations)		
	Accountants, Auditors And Other Financial Specialists	900	0.71
	Underwriters	105	0.08
	Loan Officers And Counselors	125	0.10
	Accountants And Auditors	535	0.42
	Budget Analysts	60	0.05
	All Other Financial Specialists	75	0.06
	Purchasing Agents And Buyers	295	0.22
	Wholesale And Retail Buyers, Except Farm Products	135	0.10
	Purchasing Agents - Exc Wholesale, Retail & Farm Products	160	0.12
	Personnel, Training, Labor Relations Specialists And Related Employment Interviewers	280	0.22
	Personnel, Training And Labor Relations Specialists	110	0.09
	Personnel, Training And Labor Relations Specialists	170	0.13
	Other Management Support Workers	665	0.51
	Cost Estimators	205	0.16
	Construction And Building Inspectors	65	0.05
	Assessors	120	0.09
	All Other Management Support Workers	275	0.21
(Engineers & Engineering Technicians)	Engineers	1180	0.93
	Civil Engineers, Including Traffic Engineers	85	0.07
	Electrical And Electronic Engineers	420	0.33
	Industrial And Safety Engineers	165	0.13
	Mechanical Engineers	215	0.17
	All Other Engineers	295	0.23

**Table A:
The Bristol SDA
Employment
by Occupation**

		Employment	Percent Distribution
	Engineering And Related Technicians And Technologists	740	0.58
	Electrical, Electronic Engineerng Technicians, Technologists	260	0.20
	Industrial Engineering Technicians And Technologists	65	0.05
	Drafters	225	0.18
	All Other Engineering Technicians And Technologists	190	0.15
	Physical Scientists	165	0.13
	Chemists, Except Biochemists	75	0.06
	All Other Physical Scientists	90	0.07
	Physical And Life Science Technicians And Technologists	150	0.12
	Chemical Technicians, Technologists, Exc Health, Engineering	150	0.12
(Computer & Math Scientists)	Computer Scientists And Related Workers	405	0.32
	Systems Analysts, Electronic Data Processing	175	0.14
	Computer Programmers	230	0.18
	Mathematical Scientists And Related Workers	55	0.04
	All Other Mathematical Scientists	55	0.04
	Social Scientists, Including Urban And Regional Planners	110	0.09
	Psychologists	110	0.09
	Other Selected Social Science Related Workers	650	0.51
	Social Workers, Medical And Non-medical	310	0.24
	Social Service Technicians	140	0.11
	Recreation Workers	200	0.16
(Lawyers, Paralegals & Related)	Lawyers And Related Workers	175	0.14
	Lawyers	175	0.14
	Legal Assistants And Technicians, Except Clerical	70	0.06
	Paralegal Personnel	70	0.06
(Teachers Educa- tors, Librarians & Related)	College And University Faculty	690	0.54
	Other Teachers And Instructors	3880	3.02
	Teachers, Preschool And Kindergarten	285	0.22
	Teachers, Elementary	1195	0.93
	Teachers, Secondary School	1270	0.99
	Teachers, Special Education	470	0.37
	Teachers And Instructors, Vocational Education	155	0.12
	Instructors And Coaches, Sports	270	0.21
	All Other Teachers And Related Workers	235	0.18
	Librarians, Archivists, Curators, Other Slected Ed Rel Works	900	0.70
	Librarians, Professional	165	0.13
	Technical Assistants, Library	120	0.09
	Vocational And Educational Counselors	135	0.11
	Teacher Aides, Paraprofessional	480	0.37
(Health Pracitioners, Technicians & Technologists)	Health Diagnosing And Treating Practitioners	320	0.25
	Physicians And Surgeons	230	0.18
	Dentists	90	0.07
	Therapists	295	0.24
	Respiratory Therapists	55	0.04

**Table A:
The Bristol SDA
Employment
by Occupation**

	Employment	Percent Distribution
Physical Therapists	85	0.07
Speech Pathologists And Audiologists	70	0.06
All Other Therapists	85	0.07
Selected Health Care Maintenance And Treating Workers	3490	2.72
Registered Nurses	2175	1.70
Licensed Practical Nurses	1045	0.81
Emergency Medical Technicians	65	0.05
Pharmacists	150	0.12
Dieticians And Nutritionists	55	0.04
Other Health Professionals, Paraprofessionals And Technicians	1635	1.28
Medical And Clinical Laboratory Technologists And Technicians	210	0.16
Dental Hygienists	125	0.10
Radiologic Technicians	165	0.13
All Other Health Professionals And Others	1135	0.89
Selected Writers, Artists, Entertainers, Athletes And Related	640	0.50
Writers And Editors, Including Technical Writers	75	0.06
Public Relations Specialists And Publicity Writers	90	0.07
Reporters And Correspondents	50	0.04
Artists And Related Workers	50	0.04
Interior Designers	325	0.25
Producers, Directors, Actors And Others	50	0.04
Other Professional, Paraprofessional, Technical Occupations	660	0.52
Funeral Directors And Morticians	50	0.04
All Other Professional, Paraprofessional And Technicians	610	0.48
Marketing & Sales Occupations		
Sales And Related Occupations	16075	12.55
First Line Supervisors And Manager/supervisors	945	0.74
Sales Occupations, Services	840	0.66
Sales Agents And Placers, Insurance	435	0.34
Travel Agents	110	0.09
Sales Agents, Advertising	105	0.08
All Other Sales Representatives, Service	190	0.15
Merchandise, Products, Other Sales, Sales-related Occupations	14290	11.15
Sales Engineers	250	0.19
Sales Reps, Scientific And Related Products And Services	435	0.34
Sales Reps, Exc Scientific And Related Products Or Services	1090	0.85
Salespersons, Retail Trade	5315	4.15
Salespersons, Parts	475	0.37
Counter And Rental Clerks	370	0.29
Stock Clerks, Sales Floor	2045	1.60
Cashiers	3895	3.04
All Other Sales And Related Workers	415	0.32
Clerical Occupations		
Clerical And Administrative Support Occupations	20310	15.82
First Line Supervisors - Clerical And Administrative Clerks	1520	1.19
Banking, Security, Finance And Credit Workers	1495	1.16
Tellers	865	0.67
New Accounts Clerks	125	0.10
Loan And Credit Clerks	170	0.13
Adjustment Clerks	335	0.26

**Table A:
The Bristol SDA
Employment
by Occupation**

	Employment	Percent Distribution
Selected Insurance Workers	155	0.12
Insurance Claims Clerks	55	0.04
Insurance Policy Processing Clerks	100	0.08
Investigative And Related Workers, Except Insurance	115	0.09
Bill And Account Collectors	115	0.09
Municipal And Related Workers	120	0.09
Municipal Clerks	120	0.09
Selected Lodging And Travel Workers	50	0.04
Hotel Desk Clerks	50	0.04
Other Selected Industry Specific Workers	270	0.21
Library Assistants And Bookmobile Drivers	105	0.08
Teacher Aides And Education Assistants	165	0.13
Secretaries, Stenographers And Typists	2855	2.22
Legal Secretaries	155	0.12
Medical Secretaries	275	0.21
Secretaries	2425	1.89
Other Secretarial Related And General Office Workers	7910	6.15
Receptionists And Information Clerks	595	0.46
Typists And Word Processors	560	0.44
Personnel Clerks, Except Payroll And Timekeeping	90	0.07
File Clerks	210	0.16
Order Clerks - Materials, Merchandise And Service	490	0.38
Procurement Clerks	80	0.06
Interview Clerks, Except Personnel And Welfare	185	0.14
Customer Service Representative, Utilities	80	0.06
Bookkeeping, Accounting, Auditing Clerks	2270	1.77
Payroll And Timekeeping Clerks	315	0.25
Billing, Cost And Rate Clerks	505	0.39
General Office Clerk	2530	1.97
Electronic Data Processing, Other Office Machine Occupations	1035	0.81
Billing, Posting And Calculating Machine Operators	195	0.15
Computer Operators, Except Peripheral Equipment	295	0.23
Data Entry Keyers, Except Composing	470	0.37
All Other Office Machine Operators	75	0.06
Communications Equipment Operators	310	0.24
Switchboard Operator	310	0.24
Mail And Message Distribution Workers	85	0.07
Messengers	85	0.07
Material Recording, Scheduling, Dispatching, Distributing	3445	2.69
Dispatchers - Except Police, Fire And Ambulance	100	0.08
Production, Planning, Expediting Clerks	465	0.36
Meter Readers, Utilities	65	0.05
Stock Clerks - Stockroom, Warehouse And Storage Yard	930	0.73
Order Fillers, Wholesale And Retail Sales	280	0.22
Traffic, Shipping And Receiving Clerks	1230	0.96
All Other Material Recording And Related Workers	375	0.29
All Other Clerical And Administrative Support Occupations	945	0.74

Table A:
The Bristol SDA
Employment
by Occupation

		Employment	Percent Distribution
Service Occupations	Service Occupations	18290	14.27
	First Line Supervisors - Service	595	0.46
	Fire Fighting And Prevention Supervisors	80	0.06
	All Other Service Supervisors	515	0.40
	Protective Service Occupations	1535	1.20
	Fire Fighters	280	0.22
	Police Detectives And Investigators	260	0.20
	Crossing Guards	80	0.06
	Guards And Watch Guards	790	0.62
	All Other Protective Services	125	0.10
	Food And Beverage Preparation And Service Workers	9645	7.50
	Hosts And Hostesses	275	0.21
	Bartenders	685	0.53
	Waiters And Waitresses	3105	2.42
	Dining Room, Counter And Cafe Attendants	665	0.52
	Bakers, Bread And Pastry	210	0.16
	Butchers And Meat Cutters	190	0.15
	Cooks, Restaurant	595	0.46
	Cooks, Institution Or Cafe	300	0.23
	Cooks, Speciality Fast Food And Fast Food	580	0.45
	Food Preparation Workers	1250	0.97
	All Other Food Service Workers	1790	1.40
	Health Service And Related Occupations	2360	1.85
	Dental Assistants	165	0.13
	Medical Assistants	50	0.04
	Nurse Aides, Orderlies And Attendants	1470	1.15
	Home Health Aides	205	0.16
	Psychiatric Aides	225	0.18
	Physical And Corrective Therapy Assistants And Aides	80	0.06
	Pharmacy Assistants	55	0.04
	All Other Health Servicers	110	0.09
	Cleaning, Building Service Occupations, Exc Private Househlds	2650	2.07
	Janitors And Cleaners, Including Housekeepers And Maids	745	0.58
	Janitors And Cleaners	1755	1.37
	All Other Cleaning And Building Service Workers	150	0.12
	Personal Service Occupations	525	0.42
	Cosmetologists And Related	265	0.21
	Amusement And Recreation Attendants	70	0.06
	Social Welfare Service Aides	105	0.08
	Child Care Workers	85	0.07
	All Other Service Occupations	565	0.44
	All Other Service Workers	565	0.44
	Agricultural, Forestry, Fishing And Related Occupations	415	0.32
	Gardeners And Groundskeepers, Except Farm	160	0.12
	Animal Caretakers, Except Farm	210	0.16
	All Other Agricultural, Forestry And Related Workers	45	0.04

**Table A:
The Bristol SDA
Employment
by Occupation**

	Employment	Percent Distribution
Production, Construction & Maintenance Occupations		
Production, Construction And Maintenance Occupations	45500	35.52
First Line Supervisors, Manager/supers - Prod, Constr, Maint	2545	1.98
First Line Supervisors - Mechanics And Repairers	545	0.42
First Line Supervisors - Constuction And Related	240	0.19
First Line Supervisors - Production And Related	1450	1.13
First Line Supervisors - Transportation And Related	80	0.06
First Line Supervisors - Helpers And Others	125	0.10
Blue Collar Worker Supervisors	105	0.08
Precision And Production Inspectors	1240	0.97
(Mechanics, Installers & Repairers)		
Machinery And Related Mechanics, Installers And Repairers	1880	1.48
Machinery Maintenance Mechanics	255	0.20
Machinery Maintenance Mechanics, Textile Machines	75	0.06
Machinery Maintenance Mechanics, Sewing Machines	70	0.06
Millwrights	80	0.06
Machinery Maintenance Wworkers	70	0.06
Maintenance Repairers, General Utility	1330	1.04
Mobile Equipment Mechanics, Installers And Repairers	1450	1.14
Automotive Mechanics	960	0.75
Automotive Body And Related Repairers	265	0.21
Bus And Truck Mechanics And Diesel Mechanics	165	0.13
Mobile Heavy Equipment Mechanics	60	0.05
Communications Equipment Mechanics, Installers And Repairers	65	0.05
Central Office And Pbx Installers And Repairers	65	0.05
Other Electrical, Electronic Equip Mechs, Installers, Repairs	570	0.44
Telephone And Cable Tv Line Installers And Repairers	55	0.04
Data Processing Equipment Repairers	50	0.04
Electric Home Appliance And Power Tool Repairers	105	0.08
Electric Powerline Installers And Repairers	165	0.13
Station Installers And Repairers, Telephone	95	0.07
All Other Electric, Electronic Equip Mechs, Reprers, Instllrs	100	0.08
Other Mechanics, Installers And Repairers	1070	0.83
Heating, Air Conditioning, Refrigeration Mechs, Installers	185	0.14
Elevator Installers And Repairers	115	0.09
Menders - Garments, Linens And Related	75	0.06
All Other Mechanics, Installers And Repairers	695	0.54
(Construction Trades Occupations)		
Selected Carpentry And Related Workers	1315	1.02
Carpenters	1105	0.86
Drywall Installers And Tapers	210	0.16
Selected Electrical And Related Workers	420	0.33
Electricians	420	0.33
Selected Masonry And Related Workers	340	0.27
Brick Masons And Stone Masons	65	0.05
Concrete And Terrazzo Finishers	75	0.06
Reinforcing Metal Workers	200	0.16
Selected Painting And Related Workers	240	0.19
Painters, Paperhangers, Construction And Maintenance	240	0.19

**Table A:
The Bristol SDA
Employment
by Occupation**

	Employment	Percent Distribution
Selected Plumbing And Related Workers	345	0.27
Plumbers, Pipefitters And Steamfitters	345	0.27
Selected Road, Rail, Related Constr & Maint Wrkrs, Exc Masons	165	0.13
Highway Maintenance Workers	165	0.13
All Other Construction Trades Workers	140	0.11
Glaziers	140	0.11
Extractive And Related, Including Blasters	475	0.37
All Other Construction And Extractive Occupations	475	0.37
(Precision Production Occupations)		
Precision Metal Workers	2030	1.57
Tool And Die Makers	450	0.35
Machinists	560	0.44
Precision Tool Grinders, Filers, Sharpeners	220	0.17
Jewelers And Silversmiths	145	0.11
Precision Hand Workers, Jewellery	275	0.21
Precision Etchers And Engravers, Hand Or Machine	55	0.04
Sheet Metal Workers	270	0.21
All Other Precision Metal Workers	55	0.04
Precision Woodworkers	175	0.14
Cabinetmakers And Bench Carpenters	105	0.08
All Other Precision Woodworkers	70	0.06
Precision Textile, Apparel And Furnishings Workers	340	0.27
Fabric And Apparel Patternmakers And Layout Workers	60	0.05
Custom Tailors And Sewers	90	0.07
Pressers, Delicate Fabrics	85	0.07
All Other Precision Textile And Related Workers	105	0.08
Precision Printing Workers	95	0.07
All Other Precision Printing Workers	95	0.07
Precision Food Workers	60	0.05
All Other Precision Food And Tobacco Workers	60	0.05
Other Precision Workers	315	0.25
All Other Precision Workers	315	0.25
(Machine Setters, Set-up Operators, Operators, & Tenders)		
Machine Tool Cutting Setters, Ops And Related - Metal, Plas	610	0.48
Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	125	0.10
Drilling, Boring Mach Tool Setters, Set-up Ops, Metal, Pl	75	0.06
Grinding, Lapping, Buffing Machine Tool Setters, Set-up Ops	140	0.11
Machine Tool Cutting Operators	270	0.21
Machine Forming Setters, Operators And Related Workers	1415	1.10
Punching Machine Setters And Set-up Operators, Metal, Plastic	130	0.10
Press, Press Brake Machine Setters, Set-up Ops, Metal, Plas	70	0.06
Shear, Slitter Machine Setters, Set-up Ops, Metal And Plastic	80	0.06
Extruding, Drawing Machine Setters, Set-up Ops, Metal And Pla	260	0.20
Sheetmetal Machine Operator	875	0.68
Metal Fabricating, Related Machine Setters, Operators	205	0.16
Welding Machine Setters And Set-up Operators	55	0.04
Soldering And Brazing Machine Setters And Set-up Operators	50	0.04
Metal Fabricators, Structural Metal Products	100	0.08

**Table A:
The Bristol SDA
Employment
by Occupation**

	Employment	Percent Distribution
Metal, Plastic Processing Machine Setters, Operators, Related	665	0.53
Plastic Molding, Casting Machine Operators And Tenders	230	0.18
Metal Molding, Coremaking, Casting Machine Operators, Tenders	70	0.06
Electrolytic Plating, Coating Machine Setters, Set-up Ops	55	0.04
Electrolytic Plating And Coating Machine Operators, Tenders	200	0.16
Heat Treating, Annealing, Tempering Mach Operators, Tenders	110	0.09
All Other Metal, Plastic Machine Setters, Operators, Related	820	0.64
All Other Metal, Plastic Machine Setters, Set-up Operators	240	0.19
All Other Metal And Plastic Machine Operators And Tenders	580	0.45
Woodworking Machine Setters, Operators, Other Related Workers	110	0.09
Woodworking Machine Operators And Tenders, Except Sawing	110	0.09
Printing, Binding And Related Workers	575	0.44
Offset Lithographic Press Setters	80	0.06
Screen Printing Machine Setters And Set-up Operators	135	0.10
Bindery Machine Setters And Set-up Operators	80	0.06
All Other Printing Related Setters And Set-up Operators	60	0.05
Printing Press Machine Operators	115	0.09
All Other Printing, Binding, Related Machine Ops And Tenders	105	0.08
Textile, Related Setters, Operators And Other Related Workers	6735	5.27
Textile Machine Setters And Set-up Operators	180	0.14
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	1200	0.94
Textile Draw-out Machine Operators And Tenders	60	0.05
Textile Bleaching And Dyeing Machine Operators And Tenders	875	0.68
Sewing Machine Operators, Garment	2930	2.29
Sewing Machine Operators, Non-garment	895	0.70
Laundry And Drycleaning Machine Operators	240	0.19
Pressing Machine Operators, Textile	355	0.28
Other Machine Setters, Set-up Operators, Operators, Tenders	2290	1.78
Paper Goods Machine Setters And Set-up Operators	60	0.05
Chemical Equipment Controllers And Operators	80	0.06
Cutting And Slicing Machine Setters And Set-up Operators	65	0.05
Cutting And Slicing Machine Operators	95	0.07
Coating, Painting, Spraying Machine Setters, Set-up Operators	85	0.07
Coating, Painting And Spraying Machine Operators And Tenders	130	0.10
Cementing And Gluing Machine Operators And Tenders	55	0.04
Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	200	0.16
Extruding, Forming, Pressing, Compacting Machine Ops, Tenders	220	0.17
Packaging And Filling Machine Operators	180	0.14
All Other Machine Operators	1120	0.87
(Assemblers & other Hand Workers)		
Precision Assemblers	470	0.37
Electromechanical Equipment Assemblers - Prec	75	0.06
Electrical And Electronic Equipment Assembler	395	0.31
Other Hand Workers, Including Assemblers And Fabricators	6390	4.98
Electrical And Electronic Assemblers	385	0.30
Welders And Cutters	240	0.19
Solderers And Brazers	145	0.11
Pressers, Hand	165	0.13
Hand Sewers	80	0.06
Cutters And Trimmers, Hand	320	0.25
Painting, Coating And Decorating Workers - Hand	145	0.11
Hand Engraving And Printing Workers	55	0.04
Grinding And Polishing Workers, Hand	450	0.35
Assemblers, Fabricators - Exc Mach, Electrl, Electrnc, Prec	3660	2.86
All Other Hand Workers	745	0.58

**Table A:
The Bristol SDA
Employment
by Occupation**

by Occupation		Employment	Percent Distribution
(Transportation & Material Moving Machine & Vehicle Operators)	Plant And Systems Occupations	220	0.17
	Water And Liquid Waste Treatment Plant And System Operators	60	0.05
	All Other Plant And System Operators	160	0.12
	Motor Vehicle Operators	2875	2.24
	Truck Drivers, Heavy	1245	0.97
	Truck Drivers, Light - Including Delivery And Route Drivers	985	0.77
	Bus Drivers	65	0.05
	Bus Drivers, School	295	0.23
	Driver/sales Workers	285	0.22
	All Other Transportation And Related Workers	650	0.51
	Service Station Attendants	485	0.38
	All Other Transportation Workers	165	0.13
	Material Moving Equipment Operators	700	0.54
	Grading, Dozing And Scraper Operators	90	0.07
	Industrial Truck And Tractor Operators	320	0.25
	Operating Engineers	135	0.10
	All Other Material Moving Equipment Operators	155	0.12
(Helpers, Laborers & Material Movers- Hand)	Constructive Trades, Extractive Worker Helpers	655	0.51
	Helpers, All Other Construction Trades	655	0.51
	Machine Feeders And Offbearers	465	0.36
	Machine Feeders And Offbearers	465	0.36
	Freight, Stock And Material Handlers, Hand	90	0.07
	Refuse Collectors	90	0.07
	All Other Helpers, Laborers, Material Movers - Hand	4285	3.35
	Hand Packers And Packagers	1265	0.99
	Vehicle Washers And Equipment Cleaners	155	0.12
	All Other Helpers, Laborers, Movers - Hand	2865	2.24

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

		Employment	Percent Distribution
Managerial & Executive Occupations	o Financial Managers	980	100.00
	Service	225	22.96
	Durable Goods Manufacturing	185	18.88
	All Other Finance, Insurance And Real Estate	180	18.37
	Construction	120	12.25
	Nondurable Goods Manufacturing	75	7.65
	Local Government, Except Education And Hospitals	65	6.63
	o Purchasing Managers	320	100.00
	Wholesale And Retail Trade	220	68.75
	Durable Goods Manufacturing	55	17.19
	o Marketing, Advertising And Related Managers	590	100.00
	Durable Goods Manufacturing	135	22.88
	Amusement and Recreational Services	90	15.25
	All Other Service	75	12.71
	All Other Wholesale And Retail Trade	70	11.86
	Nondurable Goods Manufacturing	65	11.02
	o Administrative Service Managers	525	100.00
	Local Government, Except Education And Hospitals	350	66.67
	All Other Service	50	9.52
	Social Services	50	9.52
	o Engineering, Mathematical And Natural Science Managers	285	100.00
	Durable Goods Manufacturing	130	45.62
	All Other Business Services	80	28.07
	o Education Administrators	310	100.00
	Elementary and Secondary Schools	245	79.03
	All Other Service	65	20.97
	o Industrial Production Managers	465	100.00
	All Other Nondurable Goods Manufacturing	140	30.11
	All Other Durable Goods Manufacturing	130	27.95
	All Other Electrical and Electronic Equipment	85	18.28
	Jewelry, Silverware and Plated Ware	55	11.83
	All Other Textile Mill Products	55	11.83
	o Food Service And Lodging Managers	260	100.00
	Eating And Drinking Places	195	75.00
	Service	65	25.00
	o General Managers And Top Executives	4365	100.00
	Miscellaneous Retail Stores	305	6.99
	Eating and Drinking Places	295	6.76
	Wholesale Trade-Durable Goods	285	6.53
	Jewelry, Silverware and Plated Ware	275	6.30
	Finance, Insurance And Real Estate	240	5.50
	All Other Service	210	4.81
	Food Stores	180	4.12
	All Other Wholesale And Retail Trade	180	4.12

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

		Employment	Percent Distribution
Professional & Technical Occupations	All Other Durable Goods Manufacturing	155	3.55
	All Other Wholesale Trade-Nondurable Goods	155	3.55
	All Other Nondurable Goods Manufacturing	155	3.55
	All Other Apparel and other Textile Products	150	3.44
	All Other Apparel and Accessory Stores	140	3.21
	Social Services	140	3.21
	o Accountants And Auditors	535	100.00
	Wholesale And Retail Trade	135	25.23
	Service	135	25.23
	Durable Goods Manufacturing	110	20.56
	o Purchasing Agents - Exc Wholesale, Retail & Farm Products	160	100.00
	Durable Goods Manufacturing	100	62.50
	o Personnel, Training And Labor Relations Specialists	170	100.00
	Service	90	52.94
	o Electrical And Electronic Engineers	420	100.00
	All Other Business Services	140	33.34
	Communication Equipment	140	33.34
	All Other Durable Goods Manufacturing	100	23.81
	o Mechanical Engineers	215	100.00
	All Other Durable Goods Manufacturing	105	48.84
	Electrical Industrial Apparatus	60	27.91
	o Electrical, Electronic Engineerng Technicians, Technologists	260	100.00
	Communication Equipment	75	28.85
	All Other Durable Goods Manufacturing	75	28.85
	o Drafters	225	100.00
	All Other Durable Goods Manufacturing	100	44.45
	All Other Electrical and Electronic Equipment	65	28.89
	o Chemical Technicians, Technologists, Exc Health, Engineering	150	100.00
	All Other Nondurable Goods Manufacturing	60	40.00
	Chemicals and Allied Products	55	36.67
	o Systems Analysts, Electronic Data Processing	175	100.00
	Durable Goods Manufacturing	80	45.72
	o Computer Programmers	230	100.00
	Service	65	28.26
	Durable Goods Manufacturing	60	26.09
	Wholesale And Retail Trade	50	21.74
	o Social Workers, Medical And Non-medical	310	100.00
	Social Services	160	51.61
	Hospitals	60	19.36
	All Other Health Services	60	19.36

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

	Employment	Percent Distribution
o College And University Faculty	690	100.00
All Other Educational Services	375	54.35
Elementary & Secondary Schools	185	26.81
Personal Services	110	15.94
o Teachers, Preschool And Kindergarden	285	100.00
Elementary and Secondary Schools	140	49.12
Social Services	135	47.37
o Teachers, Elementary	1195	100.00
Elementary and Secondary Schools	1195	100.00
o Teachers, Secondary School	1270	100.00
Elementary and Secondary Schools	1265	99.61
o Teachers, Special Education	470	100.00
Elementary and Secondary Schools	470	100.00
Teacher Aides, Paraprofessional	480	100.00
Elementary and Secondary Schools	465	96.88
o Physicians And Surgeons	230	100.00
Office of Physicians	180	78.26
All Other Service	50	21.74
o Registered Nurses	2175	100.00
Hospitals	1460	67.13
Nursing and Personal Care Facilities	195	8.96
Office of Physicians	160	7.35
All Other Health Services	125	5.75
Elementary and Secondary Schools	120	5.52
All Other Service	100	4.60
o Licensed Practical Nurses	1045	100.00
Hospitals	405	38.76
Nursing and Personal Care Facilities	225	21.53
Elementary and Secondary Schools	210	20.10
All Other Business Services	110	10.52
Office of Physicians	55	5.26
o Pharmacists	150	100.00
Miscellaneous Retail Stores	115	76.67
o Medical And Clinical Laboratory Technologists And Technician	210	100.00
Hospitals	170	80.95
o Radiologic Technicians	165	100.00
Hospitals	105	63.64
All Other Health Services	60	36.36

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

		Employment	Percent Distribution
Marketing & Sales Occupations	o Sales Supervisors	945	100.00
	Food Stores	95	10.05
	Nondurable Goods Manufacturing	95	10.05
	Durable Goods Manufacturing	85	9.00
	Wholesale Trade--Durable Goods	85	8.99
	Women's Ready-to-Wear Stores	80	8.47
	Miscellaneous Retail Stores	70	7.41
	All Other Wholesale Trade-Nondurable Goods	65	6.88
	All Other Business Services	55	5.82
	All Other Service	55	5.82
	Life Insurance	55	5.82
	All Other Wholesale And Retail Trade	50	5.29
	All Other Finance, Insurance And Real Estate	50	5.29
	Department Stores	50	5.29
	o Sales Agents And Placers, Insurance	435	100.00
	Life Insurance	375	86.21
	All Other Finance, Insurance and Real Estate	60	13.79
	o Sales Engineers	250	100.00
	Communication Equipment	160	64.00
	All Other Electrical and Electronic Equipment	55	22.00
	o Sales Reps, Scientific And Related Products And Services	435	100.00
	Wholesale Trade-Durable Goods	180	41.38
	All Other Durable Goods Manufacturing	105	24.14
	Communication Equipment	55	12.64
	o Sales Reps, Exc Scientific And Related Products Or Services	1090	100.00
	Wholesale Trade Durable Goods	360	33.03
	Grocery Stores	155	14.22
	Nondurable Goods Manufacturing	145	13.30
	All Other Durable Goods Manufacturing	135	12.38
	All Other Wholesale Trade-Nondurable Goods	125	11.47
	Jewelry, Silverware and Plate Ware	70	6.42
	Construction	50	4.59
	Service	50	4.59
	o Salespersons, Retail Trade	5315	100.00
	Department Stores	935	17.59
	Miscellaneous Retail Stores	840	15.80
	All Other Wholesale And Retail Trade	785	14.77
	Women's Ready-to-Wear Stores	695	13.08
	All Other Apparel and Accessory Stores	675	12.70
	Furniture and Home Furnishings Stores	425	8.00
	Motor Vehicle Dealers (New and Used)	365	6.87
	Food Stores	200	3.76
	All Other Wholesale Trade-Nondurable Goods	155	2.91
	o Salespersons, Parts	475	100.00
	Wholesale Trade--Durable Goods	180	37.89
	All Other Automotive Dealers & Service Stations	150	31.58
	Motor Vehicle Dealers (New and Used)	90	18.95

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

		Employment	Percent Distribution
Clerical & Administrative Support Occupations	o Counter And Rental Clerks	370	100.00
	Wholesale And Retail Trade	105	28.38
	Personal Services	100	27.03
	Miscellaneous Business Services	95	25.67
	All Other Service	70	18.92
	o Stock Clerks, Sales Floor	2045	100.00
	Food Stores	1035	50.61
	Miscellaneous Retail Stores	330	16.14
	Department Stores	275	13.45
	All Other Wholesale And Retail Trade	230	11.25
	All Other Apparel and Accessory Stores	95	4.64
	o Cashiers	3895	100.00
	Food Stores	1370	35.17
	Eating and Drinking Places	630	16.17
	Miscellaneous Retail Stores	555	14.25
	Department Stores	455	11.68
	All Other Wholesale And Retail Trade	315	8.09
	All Other Apparel and Accessory Stores	125	3.21
	All Other Service	95	2.44
	o First Line Supervisors - Clerical And Administrative Clerks	1520	100.00
	Transportation And Public Utilities	195	12.83
	Wholesale Trade-Durable Goods	135	8.88
	All Other Wholesale And Retail Trade	130	8.55
	All Other Finance, Insurance And Real Estate	125	8.22
	Nondurable Goods Manufacturing	115	7.57
	All Other Service	110	7.24
	o Tellers	865	100.00
	All Other Finance, Insurance And Real Estate	525	60.69
	Commerical and Stock Savings Bank	340	39.31
	o Adjustment Clerks	335	100.00
	All Other Durable Goods Manufacturing	75	22.39
	Nondurable Goods Manufacturing	75	22.39
	All Other Electrical and Electronic Equipment	60	17.91
	Department Stores	60	17.91
	o Teacher Aides And Education Assistants	165	100.00
	Elementary and Secondary Schools	85	51.52
	Social Services	75	45.45
	o Medical Secretaries	275	100.00
	Office of Physicians	160	58.18
	All Other Health Services	115	41.82
	o Secretaries	2425	100.00
	All Other Service	205	8.45
	All Other Durable Goods Manufacturing	170	7.01
	Local Government, Except Education And Hospitals	165	6.80

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

	Employment	Percent Distribution
Elementary and Secondary Schools	145	5.98
All Other Nondurable Goods Manufacturing	140	5.77
Finance, Insurance And Real Estate	140	5.77
Wholesale Trade-Durable Goods	130	5.36
All Other Wholesale And Retail Trade	125	5.16
Social Services	110	4.54
Jewelry, Silverware and Plated Ware	110	4.54
Special Trade Contractors	110	4.54
o Receptionists And Information Clerks	595	100.00
All Other Service	110	18.49
Finance, Insurance And Real Estate	85	14.29
Office of Physicians	75	12.61
All Other Health Services	75	12.61
Personal Services	70	11.76
Wholesale And Retail Trade	60	10.08
Hospitals	50	8.40
o Typists And Word Processors	560	100.00
All Other Service	115	20.54
Nondurable Goods Manufacturing	70	12.50
Elementary and Secondary Schools	70	12.50
Social Services	65	11.61
Durable Goods Manufacturing	65	11.61
o Order Clerks - Materials, Merchandise And Service	490	100.00
Jewelry, Silverware and Plated Ware	130	26.53
All Other Wholesale Trade-Nondurable Goods	70	14.29
All Other Durable Goods Manufacturing	60	12.25
All Other Wholesale Trade-Durable Goods	55	11.22
Furniture and Home Furnishings Stores	55	11.22
All Other Wholesale And Retail Trade	55	11.23
Nondurable Goods Manufacturing	50	10.20
o Bookkeeping, Accounting, Auditing Clerks	2270	100.00
All Other Service	220	9.69
All Other Wholesale And Retail Trade	190	8.37
All Other Durable Goods Manufacturing	180	7.93
All Other Finance, Insurance And Real Estate	150	6.61
All Other Nondurable Goods Manufacturing	130	5.73
Local Government, Except Education And Hospitals	105	4.63
Wholesale Trade-Durable Goods	115	5.07
All Other Wholesale Trade-Nondurable Goods	105	4.63
All Other Automotive Dealers and Service Stations	105	4.63
Local Government, exc Education and Hospitals	105	4.63
Jewelry, Silverware and Plated Ware	105	4.63
o Billing, Cost And Rate Clerks	505	100.00
Wholesale And Retail Trade	150	29.71
Hospitals	75	14.85
Office of Physicians	65	12.87
Jewelry, Silverware and Plated Ware	60	11.88
Nondurable Goods Manufacturing	60	11.88

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

	Employment	Percent Distribution
o General Office Clerk	2530	100.00
All Other Wholesale And Retail Trade	230	9.09
Local Government, Except Education And Hospitals	190	7.51
Hospitals	175	6.92
All Other Transportation And Public Utilities	175	6.92
Life Insurance	175	6.92
All Other Durable Goods Manufacturing	160	6.32
Wholesale Trade-Durable Goods	155	6.13
All Other Service	155	6.13
All Other Nondurable Goods Manufacturing	135	5.34
All Other Finance, Insurance And Real Estate	130	5.14
o Computer Operators, Except Peripheral Equipment	295	100.00
State Government, exc Education and Hospitals	90	30.51
Durable Goods Manufacturing	55	18.64
o Data Entry Keyers, Except Composing	470	100.00
Wholesale And Retail Trade	100	21.28
Jewelry, Silverware and Plated Ware	85	18.09
All Other Service	80	17.02
Miscellaneous Services	75	15.96
o Switchboard Operator	310	100.00
Wholesale And Retail Trade	75	24.19
All Other Service	60	19.36
Durable Goods Manufacturing	50	16.13
Hospitals	50	16.13
o Production, Planning, Expediting Clerks	465	100.00
Jewelry, Silverware and Plated Ware	140	30.11
Nondurable Goods Manufacturing	135	29.03
All Other Durable Goods Manufacturing	95	20.43
Electrical Industrial Apparatus	55	11.83
o Stock Clerks - Stockroom, Warehouse And Storage Yard	930	100.00
All Other Wholesale And Retail Trade	135	14.52
Wholesale Trade-Durable Goods	90	9.68
All Other Durable Goods Manufacturing	85	9.14
All Other Nondurable Goods Manufacturing	80	8.60
Jewelry, Silverware and Plated Ware	80	8.60
Furniture and Home Furnishings Stores	70	7.53
o Traffic, Shipping And Receiving Clerks	1230	100.00
All Other Nondurable Goods Manufacturing	235	19.10
All Other Durable Goods Manufacturing	160	13.01
All Other Wholesale And Retail Trade	125	10.16
Jewelry, Silverware and Plated Ware	115	9.35
Miscellaneous Fabricated Textile Products	110	8.94
All other Wholesale Trade-Nondurable Goods	110	8.94
All Other Electrical and Electronic Equipment	90	7.32
Wholesale Trade-Durable Goods	90	7.32

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

		Employment	Percent Distribution
Service Occupations			
o	Fire Fighters	280	100.00
	Local Government, Except Education And Hospitals	280	100.00
o	Police Detectives And Investigators	260	100.00
	Local Government, Except Education And Hospitals	260	100.00
o	Guards And Watch Guards	790	100.00
	Miscellaneous Business Services	385	48.73
	All Other Electrical and Electronic Equipment	70	8.86
	Wholesale And Retail Trade	70	8.86
	All Other Durable Goods Manufacturing	50	6.33
	Hospitals	50	6.33
	Finance, Insurance And Real Estate	50	6.33
	All Other Service	50	6.33
o	Hosts And Hostesses	275	100.00
	Eating And Drinking Places	250	90.91
o	Bartenders	685	100.00
	Eating and Drinking Places	525	76.64
	Misc. Retail Stores	90	13.14
	Service	70	10.22
o	Waiters And Waitresses	3105	100.00
	Eating and Drinking Places	2400	77.30
	All Other Service	550	17.71
	Hospitals	85	2.74
	All Other Wholesale And Retail Trade	70	2.25
o	Dining Room, Counter And Cafe Attendants	665	100.00
	Eating and Drinking Places	420	63.16
	All Other Wholesale and Retail Trade	130	19.55
	Food Stores	70	10.52
o	Bakers, Bread And Pastry	210	100.00
	Wholesale And Retail Trade	205	97.62
o	Butchers And Meat Cutters	190	100.00
	Food Stores	120	63.16
	All Other Wholesale And Retail Trade	70	36.84
o	Cooks, Restaurant	595	100.00
	Eating and Drinking Places	525	88.24
	Service	65	10.92
o	Cooks, Institutional Or Cafe	300	100.00
	Elementary and Secondary Schools	135	45.00
	Nursing and Personal Care Facilities	70	23.34
	All Other Service	55	18.33

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

		Employment	Percent Distribution
Prod., Construction & Machining Occupations	o Cooks, Speciality Fast Food And Fast Food	580	100.00
	Eating and Drinking Places	560	100.00
	o Food Preparation Workers	1250	100.00
	Eating and Drinking Places	575	46.00
	Nursing and Personal Care Facilities	225	18.00
	Elementary and Secondary Schools	150	12.00
	All Other Wholesale And Retail Trade	120	9.60
	Hospitals	110	8.80
	All Other Service	65	5.20
	o Nurse Aides, Orderlies And Attendants	1470	100.00
	Nursing and Personal Care Facilities	1025	69.73
	Hospitals	245	16.67
	All Other Business Services	115	7.82
	o Janitors And Cleaners	1755	100.00
	Elementary and Secondary Schools	395	22.51
	All Other Business Services	340	19.37
	All Other Wholesale And Retail Trade	180	10.26
	All Other Service	155	8.83
	Finance, Insurance And Real Estate	115	6.55
	Nursing and Personal Care Facilities	95	5.41
	Hospitals	95	5.41
	All Other Nondurable Goods Manufacturing	80	4.56
	o Cosmetologists And Related	265	100.00
	Personal Services	245	92.45
	o First Line Supervisors - Mechanics And Repairers	545	100.00
	Motor Vehicle Dealers (New and Used)	130	23.85
	All Other Wholesale And Retail Trade	120	22.02
	Service	80	14.68
	Durable Goods Manufacturing	70	12.84
	Transportation And Public Utilities	65	11.93
	Nondurable Goods Manufacturing	55	10.09
	o First Line Supervisors - Production And Related	1450	100.00
	Jewelry, Silverware and Plated Ware	285	19.66
	All Other Durable Goods Manufacturing	185	12.76
	All Other Nondurable Goods Manufacturing	165	11.38
	Electrical Industrial Apparatus	135	9.31
	Fabricated Metal Products	115	7.93
	Primary Metal Industries	85	5.86
	All Other Apparel and Textile Mill Products	85	5.86
	o Precision And Production Inspectors	1240	100.00
	All Other Durable Goods Manufacturing	215	17.34
	Jewelry, Silverware and Plated Ware	150	12.10
	Electrical Industrial Apparatus	115	9.27
	All Other Nondurable Goods Manufacturing	105	8.47
	Textile Finishings, Except Wool	100	8.07

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

	Employment	Percent Distribution
o Machinery Maintenance Mechanics	255	100.00
All Other Durable Goods Manufacturing	120	47.06
Nondurable Goods Manufacturing	80	31.37
All Other Electrical and Electronic Equipment	50	19.61
o Maintenance Repairers, General Utility	1330	100.00
Local Government, Except Education And Hospitals	410	30.83
Durable Goods Manufacturing	170	12.78
All Other Service	165	12.41
Wholesale And Retail Trade	160	12.03
Finance, Insurance And Real Estate	125	9.40
All Other Nondurable Goods Manufacturing	80	6.02
o Automotive Mechanics	960	100.00
Motor Vehicle Dealers (New and Used)	350	36.46
All Other Automotive Dealers and Service Stations	275	28.65
Service Industries	220	22.92
All Other Wholesale And Retail Trade	80	8.33
o Automotive Body And Related Repairers	265	100.00
Motor Vehicle Dealers (New and Used)	115	43.40
Service	115	43.39
o Bus And Truck Mechanics And Diesel Mechanics	165	100.00
Wholesale And Retail Trade	65	39.40
Transportation And Public Utilities	60	36.36
o Heating, Air Conditioning, Refrigeration Mechs, Installers	185	100.00
Miscellaneous Retail Stores	70	37.84
Construction	50	27.03
o Carpenters	1105	100.00
General Building Contractors-Residential Buildings	600	54.30
All Other Construction	195	17.65
Durable Goods Manufacturing	50	4.53
o Electricians	420	100.00
Special Trade Contractors	240	57.14
All Other Electrical and Electronic Equipment	60	14.29
Nondurable Goods Manufacturing	50	11.91
o Plumbers, Pipefitters And Steamfitters	345	100.00
Special Trade Constructors	235	68.12
Durable Goods Manufacturing	55	15.94
o Tool And Die Makers	450	100.00
Electrical Industrial Apparatus	185	41.11
All Other Durable Goods Manufacturing	110	24.45
Jewelry, Silverware and Plated Ware	90	20.00

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

	Employment	Percent Distribution
o Machinists	560	100.00
Machinery, Except Electrical	180	32.14
All Other Durable Goods Manufacturing	125	22.32
Fabricated Metal Products	80	14.29
All Other Electrical and Electronic Equipment	70	12.50
Nondurable Goods Manufacturing	70	12.50
o Precision Tool Grinders, Filers, Sharpeners	220	100.00
Jewelry, Silverware and Plated Ware	125	56.82
Machinery, Except Electrical	75	34.09
o Jewelers And Silversmiths	145	100.00
Jewelry, Silverware And Plated Ware	95	65.52
Wholesale And Retail Trade	50	34.48
o Precision Hand Workers, Jewelry	275	100.00
Jewelry, Silverware and Plated Ware	265	96.36
o Sheet Metal Workers	270	100.00
Machinery, Except Electrical	85	31.48
Special Trade Constructors	75	27.78
Fabricated Metal Products	70	25.93
o Machine Tool Cutting Operators	270	100.00
Jewelry, Silverware and Plated Ware	140	51.85
All Other Durable Goods Manufacturing	130	48.15
o Extruding, Drawing Machine Setters, Set-up Ops, Metal And Pl	260	100.00
Primary Metal Industries	250	96.15
o Sheetmetal Machine Operator	875	100.00
Electrical Industrial Apparatus	455	52.00
Fabricated Metal Products	180	20.57
All Other Durable Goods Manufacturing	150	17.14
o Plastic Molding, Casting Machine Operators And Tenders	230	100.00
Miscellaneous Plastics Products	145	63.04
Durable Goods Manufacturing	70	30.44
o Electrolytic Plating And Coating Machine Operators, Tenders	200	100.00
Fabricated Metal Products	75	37.50
Electrical Industrial Apparatus	55	27.50
Jewelry, Silverware and Plated Ware	55	27.50
o Textile Machine Setters And Set-up Operators	180	100.00
Weaving Mills, Synthetic Fibers	160	88.89

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

		Employment	Percent Distribution
o	Textile Machine Ops, Tenders - Winding, Twisting, Knitting	1200	100.00
	All Other Textile Mill Products	490	40.83
	Weaving Mills, Synthetic Fibers	440	36.67
	Women's and Misses Outerwear	80	6.67
	Miscellaneous Fabricated Textile Products	80	6.67
o	Textile Bleaching And Dyeing Machine Operators And Tenders	875	100.00
	Textile Finishings, Except Wool	685	78.29
	Miscellaneous Fabricated Textile Products	95	10.86
	All Other Textile Mill Products	90	10.28
o	Sewing Machine Operators, Garment	2930	100.00
	Women's and Misses' Outerwear	1140	38.91
	Men's and Boy's Suits and Coats	765	26.11
	All Other Apparel And Other Textile Prouducts	540	18.43
	All Other Textile Mill Products	275	9.39
	Miscellaneous Fabricated Textile Products	190	6.48
o	Sewing Machine Operators, Non-garment	895	100.00
	Miscellaneous Fabricated Textile Products	560	62.57
	Women's and Misses' Outerwear	195	21.79
	All Other Nondurable Goods Manufacturing	85	9.50
o	Laundry And Drycleaning Machine Operators	240	100.00
	Personal Services	150	62.50
	Nursing and Personal Care Facilities	75	31.25
o	Pressing Machine Operators, Textile	355	100.00
	Men's and Boy's Suits	150	42.25
	Women's and Misses Outerwear	75	21.13
	All Other Apparel and Textile Products	55	15.49
o	Extruding, Forming, Pressing, Compacting Machine Ops, Tender	220	100.00
	Miscellaneous Plastics Products	100	45.46
	All Other Nondurable Goods Manufacturing	95	43.18
o	Packaging And Filling Machine Operators	180	100.00
	Nondurable Goods Manufacturing	150	83.33
o	Electrical And Electronic Equipment Assembler	395	100.00
	Electrical Lighting and Wiring Equipment	165	41.77
	Communication Equipment	130	32.91
	All Other Durable Goods Manufacturing	100	25.32
o	Electrical And Electronic Assemblers	385	100.00
	Electrical Lighting and Wiring Equipment	290	75.33
	All Other Durable Goods Manufacturing	95	24.67
o	Pressers, Hand	165	100.00
	Miscellaneous Fabricated Textile Products	65	39.40
	Women's and Misses Outerwear	60	36.36

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

	Employment	Percent Distribution
o Cutters And Trimmers, Hand	320	100.00
All other Apparel and other Textile Products	90	28.13
All Other Nondurable Goods Manufacturing	80	25.00
Men's and Boy's Suits and Coats	70	21.87
o Grinding And Polishing Workers, Hand	450	100.00
Jewelry, Silverware and Plated Wear	290	64.44
All Other Durable Goods Manufacturing	160	35.56
o Assemblers, Fabricators - Exc Mach, Electrcel, Electrnrc, Prec	3660	100.00
Electrical Industrial Apparatus	2255	61.61
All Other Durable Goods Manufacturing	375	10.25
Jewelry, Sliverware and Plated Ware	250	6.83
All Other Nondurable Goods Manufacturing	225	6.15
Fabricated Metal Products	135	3.69
All other Apparel and other Textile Products	90	2.46
o Truck Drivers, Heavy	1245	100.00
Trucking, Local and Long Distance	430	34.54
Durable Goods Manufacturing	160	12.85
Groceries and Related Products	145	11.65
Construction	100	8.03
Nondurable Goods Manufacturing	90	7.23
o Truck Drivers, Light - Including Delivery And Route Drivers	985	100.00
Wholesale Trade-Durable Goods	120	12.18
Trucking, Local and Long Distance	110	11.17
All Other Service	110	11.17
All Other Wholesale And Retail Trade	105	10.66
Miscellaneous Retail Stores	100	10.15
o Bus Drivers, School	295	100.00
Transportation And Public Utilities	215	72.88
o Driver/Sales Workers	285	100.00
Eating and Drinking Places	155	54.39
Nondurable Goods Manufacturing	65	22.81
o Industrial Truck And Tractor Operators	320	100.00
Durable Goods Manufacturing	95	29.69
All Other Nondurable Goods Manufacturing	85	26.56
Weaving Mills, Synthetic Fibers	50	15.63
o Construction Trades Helpers	655	100.00
Special Trade Contractors	350	53.43
General Building Contractors-Residential	175	26.72
All Other Construction	120	18.32
o Machine Feeders And Offbearers	465	100.00
All Other Nondurable Goods Manufacturing	140	30.11
Printing and Publishing	125	26.88

**Table B:
The Bristol SDA
Employment in
Selected Occupations
by Industry**

		Employment	Percent Distribution
	Textile Finishing, except Wool	80	17.20
	Durable Goods Manufacturing	75	16.13
o	Hand Packers And Packagers	1265	100.00
	All Other Durable Goods Manufacturing	295	23.32
	Jewelry, Silverware and Plated Ware	280	22.13
	All Other Nondurable Goods Manufacturing	160	12.65
	All Other Wholesale And Retail Trade	55	4.35
o	All Other Helpers, Laborers, Movers - Hand	2865	100.00
	State Government, except Education and Hospitals	295	10.30
	All Other Nondurable Goods Manufacturing	235	8.20
	Groceries and Related Products	215	7.51
	Local Government, Except Education And Hospitals	180	6.28
	Electrical Lighting and Wiring Equipment	170	5.93
	Miscellaneous Fabricated Textile Products	165	5.76
	Wholesale Trade-Durable Goods	155	5.41
	All Other Construction	135	4.71
	All Other Durable Goods Manufacturing	135	4.71

**Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation**

		Employment	Percent Distribution
Construction Industries	o General Building Contractors - Residential Buildings	1655	100.00
	Carpenters	600	36.25
	Helpers, All Other Construction Trades	175	10.57
	General Managers And Top Executives	110	6.65
	Construction Managers	100	6.04
	All Other Helpers, Laborers, Movers - Hand	90	5.44
	All Other Construction And Extractive Occupations	80	4.83
	Bookkeeping, Accounting, Auditing Clerks	75	4.53
	First Line Supervisors - Constuction And Related	75	4.53
	Secretaries, Stenographers And Typists	65	3.93
	Operating Engineers	65	3.93
	All Other Transportation Workers	60	3.63
	All Other Managers And Administrators	50	3.02
	o Special Trade Contractors	3400	100.00
	Helpers, All Other Construction Trades	355	10.44
	All Other Construction And Extractive Occupations	320	9.41
	Electricians	240	7.06
	Plumbers, Pipefitters And Steamfitters	235	6.91
	Drywall Installers And Tapers	205	6.03
	Reinforcing Metal Workers	200	5.88
	Carpenters	175	5.15
	General Managers And Top Executives	130	3.82
	Glaziers	130	3.82
	Elevator Installers And Repairers	115	3.38
	Secretaries, Stenographers And Typists	110	3.24
	Bookkeeping, Accounting, Auditing Clerks	95	2.79
	All Other Mechanics, Installers And Repairers	95	2.79
	Construction Managers	85	2.50
	First Line Supervisors - Constuction And Related	85	2.50
	Cost Estimators	75	2.21
	General Office Clerk	75	2.21
	Sheet Metal Workers	75	2.21
	Concrete And Terrazzo Finishers	70	2.06
	All Other Transportation Workers	70	2.06
	Painters, Paperhangers, Construction And Maintenance	65	1.91
	Welders And Cutters	60	1.77
	Sales And Related Occupations	55	1.62
	All Other Clerical And Administrative Support Workers	55	1.62
	Grading, Dozing And Scraper Operators	55	1.62
	All Other Helpers, Laborers, Movers - Hand	50	1.47
	o All Other Construction	940	100.00
	Carpenters	200	21.28
	Precision Production Occupations	140	14.89
	Helpers, All Other Construction Trades	120	12.77
	All Other Helpers, Laborers, Movers - Hand	85	9.04
	All Other Managers And Administrators	80	8.51
	General Managers And Top Executives	75	7.98
	Operating Engineers	65	6.91
	Secretaries, Stenographers And Typists	60	6.38
	All Other Material Moving Equipment Operators	50	5.32

**Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation**

		Employment	Percent Distribution
Manufacturing Industries	o Primary Metal Industries	1380	100.00
	Extruding, Drawing Machine Setters, Set-up Ops, Metal And Pla	250	18.12
	All Other Metal And Plastic Machine Operators And Tenders	180	13.04
	Helpers, Laborers And Related	165	11.96
	Precision Production Occupations	130	9.42
	Clerical And Administrative Support Occupations	120	8.70
	All Other Machine Operators	105	7.61
	First Line Supervisors - Production And Related	85	6.16
	Managerial And Administrative Occupations	80	5.80
	Mechanics, Installers And Repairers	70	5.07
	Hand Working Occupations, Including Assemblers, Fabricators	55	3.98
	Transportation, Material Moving Machine And Vehicle Operators	50	3.62
	o Fabricated Metal Products	2420	100.00
	All Other Metal, Plastic Machine Setters, Set-up Operators	210	8.68
	Sheetmetal Machine Operator	180	7.44
	Helpers, Laborers And Related	140	5.78
	Assemblers, Fabricators - Exc Mach, Electrc, Electrmc, Prec	135	5.58
	All Other Managers And Administrators	120	4.96
	All Other Machine Operators	120	4.96
	First Line Supervisors - Production And Related	110	4.54
	All Other Precision Workers	105	4.34
	General Managers And Top Executives	95	3.93
	All Other Clerical And Administrative Support Workers	95	3.93
	Metal Fabricators, Structural Metal Products	95	3.93
	Material Recording, Scheduling, Dispatching, Distributing	80	3.31
	Machinists	80	3.31
	Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	80	3.31
	Bookkeeping, Accounting, Auditing Clerks	70	2.89
	Sheet Metal Workers	70	2.89
	Electrolytic Plating And Coating Machine Operators, Tenders	70	2.89
	Precision And Production Inspectors	65	2.69
	Management Support Occupations	60	2.48
	General Office Clerk	60	2.48
	Welders And Cutters	60	2.48
	Sales And Related Occupations	55	2.27
	Mechanics, Installers And Repairers	55	2.27
	Engineering And Related Technicians And Technologists	50	2.06
	o Machinery, Except Electrical	1710	100.00
	Machinists	180	10.53
	All Other Clerical And Administrative Support Workers	175	10.23
	All Other Metal, Plastic Machine Setters, Set-up Operators	125	7.31
	All Other Hand Workers	120	7.02
	All Other Metal And Plastic Machine Operators And Tenders	95	5.56
	All Other Managers And Administrators	85	4.97
	Sheet Metal Workers	85	4.97
	All Other Precision Workers	85	4.97
	Precision Tool Grinders, Filers, Sharpeners	75	4.39
	Assemblers, Fabricators - Exc Mach, Electrc, Electrmc, Prec	70	4.09
	General Managers And Top Executives	65	3.80
	Engineers	65	3.80
	Material Recording, Scheduling, Dispatching, Distributing	65	3.80
	All Other Professional, Paraprofessional And Technicians	60	3.51
	Sales And Related Occupations	60	3.51
	First Line Supervisors - Production And Related	60	3.51
	Engineering And Related Technicians And Technologists	55	3.21
	Mechanics, Installers And Repairers	55	3.22
	All Other Precision Metal Workers	50	2.92

Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation

	Employment	Percent Distribution
o Electrical Industrial Apparatus	4490	100.00
Assemblers, Fabricators - Exc Mach, Electrcel, Electrnc, Prec	2255	50.22
Sheetmetal Machine Operator	455	10.13
Tool And Die Makers	185	4.12
First Line Supervisors - Production And Related	135	3.01
All Other Professional, Paraprofessional And Technicians	115	2.56
Precision And Production Inspectors	115	2.56
Managerial And Administrative Occupations	105	2.34
All Other Clerical And Administrative Support Workers	95	2.12
All Other Metal And Plastic Machine Operators And Tenders	95	2.12
All Other Metal, Plastic Machine Setters, Set-up Operators	90	2.00
Construction Trades, Extractive Occupations, Exc Mat Moving	85	1.89
Engineering And Related Technicians And Technologists	80	1.78
Service Occupations	75	1.67
Mechanical Engineers	60	1.34
All Other Engineers	60	1.34
Mechanics, Installers And Repairers	60	1.34
Secretaries, Stenographers And Typists	55	1.23
Production, Planning, Expediting Clerks	55	1.23
Electrolytic Plating And Coating Machine Operators, Tenders	55	1.22
Sales And Related Occupations	50	1.11
All Other Material Recording And Related Workers	50	1.11
All Other Precision Workers	50	1.11
o Electrical Lighting And Wiring Equipment	2315	100.00
All Other Machine Operators	380	16.41
Electrical And Electronic Assemblers	290	12.53
Helpers, Laborers And Related	210	9.07
Electrical And Electronic Equipment Assembler	165	7.13
All Other Metal, Plastic Machine Setters, Set-up Operators	160	6.91
Managerial And Administrative Occupations	125	5.40
All Other Clerical And Administrative Support Workers	120	5.18
All Other Metal And Plastic Machine Operators And Tenders	105	4.54
Precision And Production Inspectors	80	3.46
Material Recording, Scheduling, Dispatching, Distributing	75	3.24
First Line Supervisors - Production And Related	75	3.24
Engineers	70	3.02
All Other Professional, Paraprofessional And Technicians	70	3.02
Sales And Related Occupations	60	2.59
Mechanics, Installers And Repairers	60	2.59
Assemblers, Fabricators - Exc Mach, Electrcel, Electrnc, Prec	60	2.59
Tool And Die Makers	55	2.38
All Other Precision Metal Workers	50	2.16
o Communication Equipment	1420	100.00
All Other Clerical And Administrative Support Workers	215	15.14
All Other Professional, Paraprofessional And Technicians	170	11.97
Sales Engineers	160	11.27
Electrical And Electronic Engineers	145	10.21
Electrical And Electronic Equipment Assembler	125	8.80
Managerial And Administrative Occupations	120	8.45
Electrical, Electronic Engineering Technicians, Technologists	80	5.64
Secretaries, Stenographers And Typists	65	4.58
Service Occupations	60	4.23
Sales Reps, Scientific And Related Products And Services	55	3.87
Precision And Production Inspectors	55	3.87
Mechanics, Installers And Repairers	55	3.87
Material Recording, Scheduling, Dispatching, Distributing	50	3.52

Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation

	Employment	Percent Distribution
o Jewelry, Silverware And Plated Ware	5860	100.00
Grinding And Polishing Workers, Hand	290	4.95
First Line Supervisors - Production And Related	285	4.86
Hand Packers And Packagers	280	4.78
General Managers And Top Executives	275	4.69
All Other Metal And Plastic Machine Operators And Tenders	275	4.69
Precision Hand Workers, Jewellery	260	4.44
Assemblers, Fabricators - Exc Mach, Electrc, Electmc, Prec	250	4.27
All Other Clerical And Administrative Support Workers	215	3.67
Precision And Production Inspectors	150	2.56
All Other Managers And Administrators	145	2.47
All Other Professional, Paraprofessional And Technicians	145	2.47
Machine Tool Cutting Operators	140	2.39
Production, Planning, Expediting Clerks	135	2.30
Order Clerks - Materials, Merchandise And Service	130	2.22
All Other Metal, Plastic Machine Setters, Set-up Operators	130	2.22
Precision Tool Grinders, Filers, Sharpeners	125	2.13
All Other Machine Operators	120	2.05
Traffic, Shipping And Receiving Clerks	115	1.96
Secretaries, Stenographers And Typists	110	1.88
Solderers And Brazers	110	1.88
Bookkeeping, Accounting, Auditing Clerks	105	1.79
All Other Precision Workers	100	1.71
First Line Supervisors - Clerical And Administrative Clerks	95	.62
Jewelers And Silversmiths	95	.62
Painting, Coating And Decorating Workers - Hand	95	1.62
Tool And Die Makers	90	1.54
Data Entry Keyers, Except Composing	85	1.45
Grinding, Lapping, Buffing Machine Tool Setters, Set-up Ops	85	1.45
Interior Designers	80	1.37
Stock Clerks - Stockroom, Warehouse And Storage Yard	80	1.37
All Other Helpers, Laborers, Movers - Hand	80	1.36
Accountants, Auditors And Other Financial Specialists	75	1.28
Payroll And Timekeeping Clerks	75	1.28
Sales Reps, Exc Scientific And Related Products Or Services	70	1.19
All Other Hand Workers	70	1.19
Janitors And Cleaners	65	1.11
Blue Collar Worker Supervisors	65	1.11
Billing, Cost And Rate Clerks	60	1.02
Mechanics, Installers And Repairers	60	1.02
Industrial Production Managers	55	0.94
All Other Management Support Workers	55	0.94
All Other Sales And Related Workers	55	0.94
Billing, Posting And Calculating Machine Operators	55	0.94
All Other Service Workers	55	0.94
Construction Trades, Extractive Occupations, Exc Mat Moving	55	0.94
Precision Etchers And Engravers, Hand Or Machine	55	0.94
Punching Machine Setters And Set-up Operators, Metal, Plastic	55	0.94
Sheetmetal Machine Operator	55	0.94
Electrolytic Plating And Coating Machine Operators, Tenders	55	0.94
All Other Material Recording And Related Workers	50	0.85
o All Other Durable Goods Manufacturing	4015	100.00
Assemblers, Fabricators - Exc Mach, Electrc, Electmc, Prec	350	8.72
All Other Machine Operators	230	5.73
All Other Metal And Plastic Machine Operators And Tenders	195	4.86
First Line Supervisors - Production And Related	170	4.23
All Other Clerical And Administrative Support Workers	155	3.86
All Other Metal, Plastic Machine Setters, Set-up Operators	155	3.86

Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation

	Employment	Percent Distribution
Hand Packers And Packagers	155	3.86
All Other Hand Workers	150	3.74
Sales And Related Occupations	140	3.49
All Other Managers And Administrators	130	3.24
Precision And Production Inspectors	130	3.24
General Managers And Top Executives	125	3.11
All Other Precision Workers	125	3.11
Woodworking Machine Operators And Tenders, Except Sawing	110	2.74
Mechanics, Installers And Repairers	105	2.62
All Other Helpers, Laborers, Movers - Hand	100	2.49
Engineers	90	2.24
All Other Material Recording And Related Workers	90	2.24
Grinding And Polishing Workers, Hand	90	2.24
Truck Drivers, Heavy	90	2.24
Machinists	85	2.12
All Other Precision Metal Workers	85	2.12
Electrical And Electronic Equipment Assembler	85	2.12
Bookkeeping, Accounting, Auditing Clerks	80	1.99
Electrical And Electronic Assemblers	80	1.99
Secretaries, Stenographers And Typists	70	1.74
Cabinetmakers And Bench Carpenters	70	1.74
Electromechanical Equipment Assemblers - Prec	70	1.74
Industrial Production Managers	65	1.62
Management Support Occupations	65	1.62
Engineering And Related Technicians And Technologists	65	1.62
Construction Trades, Extractive Occupations, Exc Mat Moving	65	1.62
Traffic, Shipping And Receiving Clerks	60	1.49
General Office Clerk	55	1.37
o Weaving Mills, Synthetic Fibers	1525	100.00
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	440	28.85
Textile Machine Setters And Set-up Operators	160	10.49
All Other Machine Operators	115	7.54
Material Recording, Scheduling, Dispatching, Distributing	95	6.23
Mechanics, Installers And Repairers	95	6.23
All Other Clerical And Administrative Support Workers	90	5.90
Hand Working Occupations, Including Assemblers, Fabricators	85	5.57
Precision And Production Inspectors	80	5.25
Professional, Paraprofessional And Technical Occupations	70	4.59
First Line Supervisors - Production And Related	60	3.93
Helpers, Laborers And Related	55	3.61
Managerial And Administrative Occupations	50	3.28
Industrial Truck And Tractor Operators	50	3.28
o Textile Finishing, Except Wool	1965	100.00
Textile Bleaching And Dyeing Machine Operators And Tenders	685	34.86
All Other Machine Operators	255	12.98
All Other Clerical And Administrative Support Workers	140	7.13
All Other Helpers, Laborers, Movers - Hand	125	6.36
Screen Printing Machine Setters And Set-up Operators	115	5.85
Precision And Production Inspectors	100	5.09
Precision Production Occupations	80	4.07
Machine Feeders And Offbearers	80	4.07
First Line Supervisors - Production And Related	75	3.82
Mechanics, Installers And Repairers	75	3.82
Managerial And Administrative Occupations	60	3.05
Material Recording, Scheduling, Dispatching, Distributing	55	2.80
Transportation, Material Moving Machine And Vehicle Operators	50	2.54

Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation

	Employment	Percent Distribution
o All Other Textile Mill Products	1335	100.00
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	455	34.08
Sewing Machine Operators, Garment	235	17.60
All Other Machine Operators	100	7.49
Precision Production Occupations	95	7.12
Textile Bleaching And Dyeing Machine Operators And Tenders	90	6.74
All Other Clerical And Administrative Support Workers	65	4.87
Managerial And Administrative Occupations	60	4.49
Material Recording, Scheduling, Dispatching, Distributing	60	4.49
Mechanics, Installers And Repairers	50	3.75
Helpers, Laborers And Related	50	3.75
o Men's And Boy's Suits And Coats	1325	100.00
Sewing Machine Operators, Garment	765	57.74
Pressing Machine Operators, Textile	150	11.32
Clerical And Administrative Support Occupations	115	8.68
Cutters And Trimmers, Hand	70	5.28
Managerial And Administrative Occupations	65	4.91
Precision Production Occupations	60	4.53
o Women's And Misses' Outerwear	2365	100.00
Sewing Machine Operators, Garment	1140	48.20
Sewing Machine Operators, Non-garment	200	8.46
All Other Clerical And Administrative Support Workers	125	5.28
Helpers, Laborers And Related	110	4.65
All Other Precision Workers	95	4.02
Precision And Production Inspectors	85	3.59
Managerial And Administrative Occupations	80	3.38
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	80	3.38
Pressing Machine Operators, Textile	75	3.17
Traffic, Shipping And Receiving Clerks	60	2.54
Pressers, Hand	60	2.54
Cutters And Trimmers, Hand	60	2.54
All Other Hand Workers	60	2.54
Pressers, Delicate Fabrics	55	2.33
o Miscellaneous Fabricated Textile Products	2300	100.00
Sewing Machine Operators, Non-garment	560	24.35
Sewing Machine Operators, Garment	190	8.26
All Other Helpers, Laborers, Movers - Hand	175	7.61
All Other Clerical And Administrative Support Workers	140	6.09
Hand Packers And Packagers	120	5.22
Traffic, Shipping And Receiving Clerks	110	4.78
Textile Bleaching And Dyeing Machine Operators And Tenders	100	4.35
All Other Material Recording And Related Workers	95	4.13
Precision And Production Inspectors	90	3.91
Mechanics, Installers And Repairers	90	3.91
Managerial And Administrative Occupations	80	3.48
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	80	3.48
All Other Hand Workers	80	3.48
General Office Clerk	65	2.82
First Line Supervisors - Production And Related	65	2.82
Pressers, Hand	65	2.83
Precision Production Occupations	55	2.39

**Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation**

	Employment	Percent Distribution
o All Other Apparel And Other Textile Products	1285	100.00
Sewing Machine Operators, Garment	540	42.02
Clerical And Administrative Support Occupations	115	8.95
Helpers, Laborers And Related	100	7.78
Assemblers, Fabricators - Exc Mach, Electrcel, Electrmc, Prec	90	7.00
Precision Production Occupations	75	5.84
All Other Machine Operators	60	4.67
All Other Hand Workers	60	4.67
Managerial And Administrative Occupations	55	4.28
Cutters And Trimmers, Hand	55	4.28
Pressing Machine Operators, Textile	50	3.89
o Printing And Publishing	1625	100.00
Clerical And Administrative Support Occupations	295	18.15
Professional, Paraprofessional And Technical Occupations	155	9.54
Machine Feeders And Offbearers	125	7.69
Hand Working Occupations, Including Assemblers, Fabricators	115	7.08
All Other Printing, Binding, Related Machine Ops And Tenders	105	6.46
All Other Precision Workers	90	5.54
Precision Printing Workers	85	5.23
Bindery Machine Setters And Set-up Operators	80	4.92
Offset Lithographic Press Setters	75	4.62
Transportation, Material Moving Machine And Vehicle Operators	75	4.62
Hand Packers And Packagers	70	4.31
Sales Agents, Advertising	60	3.69
General Managers And Top Executives	55	3.38
First Line Supervisors, Manager/supers - Prod, Constr, Maint	55	3.38
All Other Managers And Administrators	50	3.08
All Other Sales And Related Workers	50	3.08
o Chemicals And Allied Products	1060	100.00
All Other Machine Operators	165	15.57
All Other Clerical And Administrative Support Workers	120	11.32
All Other Professional, Paraprofessional And Technicians	105	9.90
Managerial And Administrative Occupations	90	8.49
All Other Precision Workers	85	8.02
Assemblers, Fabricators - Exc Mach, Electrcel, Electrmc, Prec	80	7.55
Chemical Technicians, Technologists, Exc Health, Engineering	60	5.66
Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	60	5.66
Material Recording, Scheduling, Dispatching, Distributing	55	5.19
Sales And Related Occupations	50	4.72
First Line Supervisors, Manager/supers - Prod, Constr, Maint	50	4.72
o Miscellaneous Plastics Products	1030	100.00
Plastic Molding, Casting Machine Operators And Tenders	145	14.08
Clerical And Administrative Support Occupations	105	10.19
Extruding, Forming, Pressing, Compacting Machine Ops, Tenders	100	9.71
Professional, Paraprofessional And Technical Occupations	85	8.25
All Other Machine Operators	75	7.28
Managerial And Administrative Occupations	70	6.80
Precision And Production Inspectors	70	6.80
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	70	6.80
First Line Supervisors - Production And Related	60	5.83
Assemblers, Fabricators - Exc Mach, Electrcel, Electrmc, Prec	60	5.83
Precision Production Occupations	55	5.34
Mechanics, Installers And Repairers	50	4.85

**Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation**

		Employment	Percent Distribution
Transportation, Communications & Utilities	o All Other Nondurable Goods Manufacturing	3020	100.00
	All Other Machine Operators	375	12.42
	All Other Clerical And Administrative Support Workers	230	7.62
	Assemblers, Fabricators - Exc Mach, Electrccl, Electrnc, Prec	200	6.62
	All Other Helpers, Laborers, Movers - Hand	150	4.97
	Traffic, Shipping And Receiving Clerks	135	4.47
	Sales And Related Occupations	130	4.30
	Mechanics, Installers And Repairers	130	4.30
	Professional, Paraprofessional And Technical Occupations	120	3.97
	All Other Precision Workers	120	3.97
	All Other Hand Workers	115	3.81
	Packaging And Filling Machine Operators	100	3.31
	Machine Feeders And Offbearers	100	3.31
	Hand Packers And Packagers	100	3.31
	All Other Managers And Administrators	80	2.65
	All Other Material Moving Equipment Operators	80	2.65
	All Other Material Recording And Related Workers	75	2.48
	Sewing Machine Operators, Non-garment	75	2.48
	Cutting And Slicing Machine Operators	70	2.32
	Service Occupations	65	2.15
	First Line Supervisors - Production And Related	65	2.15
	Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	65	2.15
	All Other Precision Food And Tobacco Workers	60	1.99
	Paper Goods Machine Setters And Set-up Operators	60	1.99
	General Managers And Top Executives	55	1.82
	All Other Metal And Plastic Machine Operators And Tenders	55	1.82
	Industrial Production Managers	50	1.66
	Precision And Production Inspectors	50	1.66
	Extruding, Forming, Pressing, Compacting Machine Ops, Tenders	50	1.66
	Truck Drivers, Heavy	50	1.66
	o Trucking, Local And Long Distance	1115	100.00
	Truck Drivers, Heavy	430	38.57
	All Other Clerical And Administrative Support Workers	145	13.00
	Truck Drivers, Light - Including Delivery And Route Drivers	120	10.76
	Helpers, Laborers And Related	100	8.97
	All Other Material Moving Equipment Operators	65	5.83
	Managerial And Administrative Occupations	55	4.93
	Mechanics, Installers And Repairers	55	4.93
	General Office Clerk	50	4.48
	o All Other Transportation And Public Utilities	2690	100.00
	All Other Clerical And Administrative Support Workers	290	10.78
	Bus Drivers, School	215	7.99
	First Line Supervisors - Clerical And Administrative Clerks	190	7.06
	General Office Clerk	175	6.51
	All Other Professional, Paraprofessional And Technicians	165	6.13
	Electric Powerline Installers And Repairers	165	6.13
	All Other Mechanics, Installers And Repairers	140	5.20
	Managerial And Administrative Occupations	125	4.65
	All Other Material Recording And Related Workers	125	4.65
	Travel Agents	110	4.09
	Station Installers And Repairers, Telephone	95	3.53
	Customer Service Representative, Utilities	80	2.97
	Service Occupations	75	2.79
	Helpers, Laborers And Related	75	2.79
	All Other Electric, Electronic Equip Mechs, Reprers, Instllrs	70	2.60
	All Other Transportation Workers	70	2.60
	Engineering And Related Technicians And Technologists	65	2.42

Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation

		Employment	Percent Distribution
	First Line Supervisors - Mechanics And Repairers	65	2.42
	Central Office And Pbx Installers And Repairers	65	2.42
	Bus Drivers	65	2.42
	Meter Readers, Utilities	60	2.23
	Precision Production Occupations	60	2.23
	Emergency Medical Technicians	55	2.04
Wholesale & Retail Trade	o Wholesale Trade-durable Goods	3305	100.00
	Sales Reps, Exc Scientific And Related Products Or Services	360	10.89
	General Managers And Top Executives	285	8.62
	Mechanics, Installers And Repairers	250	7.57
	Sales Reps, Scientific And Related Products And Services	180	5.45
	Salespersons, Parts	180	5.45
	Helpers, Laborers And Related	180	5.45
	General Office Clerk	155	4.69
	Professional, Paraprofessional And Technical Occupations	150	4.54
	First Line Supervisors - Clerical And Administrative Clerks	135	4.09
	Secretaries, Stenographers And Typists	130	3.93
	Truck Drivers, Light - Including Delivery And Route Drivers	120	3.63
	Bookkeeping, Accounting, Auditing Clerks	115	3.48
	Salespersons, Retail Trade	95	2.87
	All Other Precision Workers	95	2.87
	Stock Clerks - Stockroom, Warehouse And Storage Yard	90	2.72
	Traffic, Shipping And Receiving Clerks	90	2.72
	First Line Supervisors And Manager/supervisors - Sales And Re	85	2.57
	Truck Drivers, Heavy	85	2.57
	All Other Clerical And Administrative Support Workers	75	2.27
	Precision Metal Workers	70	2.12
	Electronic Data Processing, Other Office Machine Occupations	60	1.82
	Order Fillers, Wholesale And Retail Sales	60	1.82
	All Other Managers And Administrators	55	1.66
	Order Clerks - Materials, Merchandise And Service	55	1.66
	o Groceries And Related Supplies	1380	100.00
	All Other Helpers, Laborers, Movers - Hand	215	15.58
	All Other Clerical And Administrative Support Workers	185	13.41
	Sales Reps, Exc Scientific And Related Products Or Services	155	11.23
	Truck Drivers, Heavy	145	10.51
	All Other Sales And Related Workers	130	9.42
	Food And Beverage Preparation And Service Workers	85	6.16
	Material Recording, Scheduling, Dispatching, Distributing	75	5.44
	Managerial And Administrative Occupations	65	4.71
	General Office Clerk	65	4.71
	Hand Packers And Packagers	65	4.71
	Truck Drivers, Light - Including Delivery And Route Drivers	60	4.35
	o All Other Wholesale Trade-nondurable Goods	1745	100.00
	All Other Clerical And Administrative Support Workers	190	10.89
	All Other Helpers, Laborers, Movers - Hand	130	7.45
	Sales Reps, Exc Scientific And Related Products Or Services	125	7.16
	General Managers And Top Executives	120	6.88
	Salespersons, Retail Trade	120	6.88
	Professional, Paraprofessional And Technical Occupations	90	5.16
	Machine Setters, Set-up Operators, Operators And Tenders	85	4.87
	Truck Drivers, Heavy	85	4.87
	Precision Production Occupations	80	4.59
	Traffic, Shipping And Receiving Clerks	75	4.30
	All Other Sales And Related Workers	65	3.72
	First Line Supervisors - Clerical And Administrative Clerks	65	3.72

**Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation**

	Employment	Percent Distribution
All Other Material Recording And Related Workers	65	3.72
Order Clerks - Materials, Merchandise And Service	60	3.44
Bookkeeping, Accounting, Auditing Clerks	60	3.44
All Other Material Moving Equipment Operators	60	3.44
Secretaries, Stenographers And Typists	55	3.15
Order Fillers, Wholesale And Retail Sales	55	3.15
Hand Packers And Packagers	50	2.86
o Department Stores	2610	100.00
Salespersons, Retail Trade	935	35.82
Cashiers	455	17.43
Stock Clerks, Sales Floor	275	10.54
All Other Clerical And Administrative Support Workers	175	6.71
Mechanics, Installers And Repairers	95	3.64
All Other Managers And Administrators	90	3.45
General Managers And Top Executives	75	2.87
All Other Material Recording And Related Workers	75	2.87
All Other Service Workers	75	2.87
Protective Service Occupations	70	2.68
Professional, Paraprofessional And Technical Occupations	60	2.30
Adjustment Clerks	60	2.30
First Line Supervisors And Manager/supervisors - Sales And Re	50	1.92
All Other Sales And Related Workers	50	1.92
Stock Clerks - Stockroom, Warehouse And Storage Yard	50	1.92
o Food Stores	3535	100.00
Cashiers	1370	38.75
Stock Clerks, Sales Floor	1035	29.28
Salespersons, Retail Trade	200	5.66
General Managers And Top Executives	180	5.09
All Other Sales And Related Workers	125	3.54
Butchers And Meat Cutters	120	3.39
Clerical And Administrative Support Occupations	105	2.97
All Other Food Service Workers	100	2.83
First Line Supervisors And Manager/supervisors - Sales And Re	95	2.69
Hand Packers And Packagers	75	2.12
Dining Room, Counter And Cafe Attendants	70	1.98
o Motor Vehicle Dealers (new And Used)	1705	100.00
Salespersons, Retail Trade	370	21.70
Automotive Mechanics	350	20.53
All Other Clerical And Administrative Support Workers	195	11.44
First Line Supervisors - Mechanics And Repairers	130	7.63
Automotive Body And Related Repairers	115	6.74
General Office Clerk	95	5.57
Salespersons, Parts	90	5.28
General Managers And Top Executives	75	4.40
All Other Managers And Administrators	65	3.81
All Other Sales And Related Workers	65	3.81
Vehicle Washers And Equipment Cleaners	60	3.52
o All Other Automotive Dealers & Service Stations	1645	100.00
Service Station Attendants	465	28.27
Automotive Mechanics	275	16.72
Salespersons, Parts	150	9.12
All Other Clerical And Administrative Support Workers	135	8.21
All Other Mechanics, Installers And Repairers	125	7.60
General Managers And Top Executives	100	6.08

**Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation**

		Employment	Percent Distribution
	Cashiers	80	4.86
	Bookkeeping, Accounting, Auditing Clerks	70	4.25
	Truck Drivers, Light - Including Delivery And Route Drivers	70	4.25
	Salespersons, Retail Trade	50	3.04
o	Furniture And Home Furnishing Stores	1510	100.00
	Salespersons, Retail Trade	425	28.15
	General Managers And Top Executives	110	7.28
	All Other Clerical And Administrative Support Workers	90	5.96
	Electric Home Appliance And Power Tool Repairers	85	5.63
	Precision Production Occupations	85	5.63
	Stock Clerks, Sales Floor	80	5.30
	Cashiers	75	4.97
	Stock Clerks - Stockroom, Warehouse And Storage Yard	70	4.64
	General Office Clerk	60	3.97
	All Other Sales And Related Workers	55	3.64
	Order Clerks - Materials, Merchandise And Service	55	3.64
	All Other Material Recording And Related Workers	55	3.64
	Truck Drivers, Light - Including Delivery And Route Drivers	55	3.64
o	Eating And Drinking Places	8590	100.00
	Waiters And Waitresses	2400	27.94
	All Other Food Service Workers	1175	13.68
	Cashiers	630	7.34
	Food Preparation Workers	575	6.69
	Cooks, Speciality Fast Food And Fast Food	560	6.52
	Bartenders	525	6.11
	Cooks, Restaurant	525	6.11
	Dining Room, Counter And Cafe Attendants	420	4.89
	General Managers And Top Executives	295	3.43
	Hosts And Hostesses	250	2.91
	Food Service And Lodging Managers	195	2.27
	All Other Clerical And Administrative Support Workers	180	2.10
	First Line Supervisors - Service	170	1.98
	Driver/sales Workers	155	1.80
	All Other Sales And Related Workers	85	0.99
	Bookkeeping, Accounting, Auditing Clerks	80	0.93
	Mechanics, Installers And Repairers	80	0.93
	Management Support Occupations	70	0.82
	All Other Service Workers	55	0.64
	Janitors And Cleaners	50	0.58
	All Other Transportation Workers	50	0.58
Finance, Insurance & Real Estate	o Commercial And Stock Savings Banks	1045	100.00
	Tellers	340	32.54
	All Other Clerical And Administrative Support Workers	265	25.36
	Financial Managers	85	8.13
	New Accounts Clerks	70	6.70
	All Other Managers And Administrators	60	5.74
	Loan Officers And Counselors	60	5.74
	Loan And Credit Clerks	55	5.26
	All Other Professional, Paraprofessional And Technicians	50	4.79
	First Line Supervisors - Clerical And Administrative Clerks	50	4.78
o	Life Insurance	1120	100.00
	Sales Agents And Placers, Insurance	375	33.48
	All Other Clerical And Administrative Support Workers	295	26.34
	General Office Clerk	170	15.18

Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation

		Employment	Percent Distribution
	First Line Supervisors - Clerical And Administrative Clerks	75	6.70
	Bookkeeping, Accounting, Auditing Clerks	75	6.70
	Managerial And Administrative Occupations	65	5.80
	First Line Supervisors And Manager/supervisors - Sales And Re	55	4.91
	o All Other Finance, Insurance And Real Estate	2775	100.00
	Tellers	525	18.92
	General Managers And Top Executives	195	7.03
	All Other Clerical And Administrative Support Workers	195	7.03
	Financial Managers	165	5.95
	First Line Supervisors - Clerical And Administrative Clerks	125	4.51
	Maintenance Repairers, General Utility	125	4.51
	All Other Sales Representatives, Service	110	3.97
	Loan And Credit Clerks	110	3.96
	Secretaries, Stenographers And Typists	110	3.97
	Bookkeeping, Accounting, Auditing Clerks	110	3.97
	Underwriters	105	3.78
	Janitors And Cleaners	105	3.78
	General Office Clerk	90	3.24
	Insurance Policy Processing Clerks	75	2.70
	Loan Officers And Counselors	65	2.34
	Receptionists And Information Clerks	65	2.34
	Property And Real Estate Managers And Administrators	60	2.16
	All Other Management Support Workers	60	2.16
	Sales Agents And Placers, Insurance	60	2.16
	New Accounts Clerks	55	1.98
	First Line Supervisors And Manager/supervisors - Sales And Re	50	1.80
	Guards And Watch Guards	50	1.80
Service Industries	o Miscellaneous Business Services	1790	100.00
	Guards And Watch Guards	385	21.51
	All Other Professional, Paraprofessional And Technicians	185	10.33
	Engineers	155	8.66
	All Other Clerical And Administrative Support Workers	145	8.10
	All Other Managers And Administrators	110	6.14
	General Managers And Top Executives	105	5.87
	Secretaries, Stenographers And Typists	100	5.59
	Counter And Rental Clerks	95	5.31
	Interview Clerks, Except Personnel And Welfare	95	5.31
	Management Support Occupations	80	4.47
	Physical Scientists	75	4.19
	Data Entry Keyers, Except Composing	75	4.19
	All Other Sales And Related Workers	55	3.07
	First Line Supervisors - Clerical And Administrative Clerks	50	2.79
	o All Other Business Services	1895	100.00
	Janitors And Cleaners	330	17.41
	All Other Clerical And Administrative Support Workers	250	13.19
	All Other Professional, Paraprofessional And Technicians	190	10.03
	Nurse Aides, Orderlies And Attendants	115	6.07
	Licensed Practical Nurses	110	5.81
	Employment Interviewers	105	5.54
	Secretaries, Stenographers And Typists	105	5.54
	Electrical And Electronic Engineers	90	4.75
	Janitors And Cleaners, Including Housekeepers And Maids	90	4.75
	Sales And Related Occupations	85	4.49
	General Managers And Top Executives	80	4.22
	All Other Managers And Administrators	65	3.43
	Engineering, Mathematical And Natural Science Managers	60	3.17

Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation

	Employment	Percent Distribution
Home Health Aides	55	2.90
Electronic Data Processing, Other Office Machine Occupations	50	2.64
o Amusement And Recreation Services	1150	100.00
Animal Caretakers, Except Farm	210	18.26
All Other Professional, Paraprofessional And Technicians	130	11.30
General Managers And Top Executives	95	8.26
Food And Beverage Preparation And Service Workers	95	8.26
Marketing, Advertising And Related Managers	90	7.83
Instructors And Coaches, Sports	90	7.83
Cashiers	75	6.52
All Other Service Workers	75	6.52
Gardners And Groundskeepers, Except Farm	70	6.09
Clerical And Administrative Support Occupations	55	4.78
All Other Sales And Related Workers	50	4.35
Amusement And Recreation Attendants	50	4.35
o Office Of Physicians	1125	100.00
Physicians And Surgeons	180	16.00
Registered Nurses	160	14.22
Medical Secretaries	160	14.22
Receptionists And Information Clerks	75	6.67
File Clerks	70	6.22
All Other Health Professionals And Others	65	5.78
First Line Supervisors - Clerical And Administrative Clerks	65	5.78
Billing, Cost And Rate Clerks	65	5.78
Licensed Practical Nurses	55	4.89
Recreation Workers	50	4.45
Billing, Posting And Calculating Machine Operators	50	4.44
Service Occupations	50	4.44
o Nursing And Personal Care Facilities	2575	100.00
Nurse Aides, Orderlies And Attendants	1025	39.81
Licensed Practical Nurses	225	8.74
Food Preparation Workers	225	8.74
Registered Nurses	195	7.57
Janitors And Cleaners, Including Housekeepers And Maids	130	5.05
All Other Professional, Paraprofessional And Technicians	115	4.47
Clerical And Administrative Support Occupations	100	3.88
Janitors And Cleaners	90	3.49
Laundry And Drycleaning Machine Operators	80	3.11
Managerial And Administrative Occupations	70	2.72
Cooks, Institution Or Cafe	70	2.72
All Other Food Service Workers	70	2.72
All Other Therapists	60	2.33
All Other Health Servicers	60	2.33
o Hospitals	5140	100.00
Registered Nurses	1460	28.40
Licensed Practical Nurses	405	7.88
All Other Clerical And Administrative Support Workers	325	6.32
All Other Health Professionals And Others	270	5.25
Nurse Aides, Orderlies And Attendants	250	4.86
Psychiatric Aides	220	4.28
General Office Clerk	175	3.40
Medical And Clinical Laboratory Technologists And Technicians	170	3.31
Janitors And Cleaners, Including Housekeepers And Maids	145	2.82
All Other Professional, Paraprofessional And Technicians	135	2.63

Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation

	Employment	Percent Distribution
All Other Health Servicers	130	2.53
Secretaries, Stenographers And Typists	120	2.34
Food Preparation Workers	115	2.24
All Other Food Service Workers	110	2.14
Radiologic Technicians	105	2.04
All Other Managers And Administrators	100	1.95
All Other Service Workers	100	1.95
Janitors And Cleaners	95	1.85
Waiters And Waitresses	80	1.56
Interview Clerks, Except Personnel And Welfare	75	1.46
Billing, Cost And Rate Clerks	70	1.36
Medical And Health Service Managers	60	1.17
Social Workers, Medical And Non-medical	60	1.17
Respiratory Therapists	55	1.07
Mechanics, Installers And Repairers	55	1.07
Receptionists And Information Clerks	50	0.97
Switchboard Operator	50	0.97
Guards And Watch Guards	50	0.97
Precision Production Occupations	50	0.97
o All Other Health Services	1330	100.00
Dental Assistants	165	12.40
All Other Health Professionals And Others	130	9.77
Registered Nurses	125	9.40
Dental Hygienists	125	9.40
All Other Clerical And Administrative Support Workers	115	8.65
Home Health Aides	115	8.65
Dentists	90	6.77
Managerial And Administrative Occupations	75	5.64
Medical Secretaries	65	4.89
Receptionists And Information Clerks	65	4.89
All Other Health Servicers	65	4.88
Physical Therapists	60	4.51
All Other Professional, Paraprofessional And Technicians	50	3.76
o Elementary And Secondary Schools	8330	100.00
Teachers, Secondary School	1265	15.19
Teachers, Elementary	1195	14.35
All Other Health Professionals And Others	900	10.81
Teachers, Special Education	470	5.65
Teacher Aides, Paraprofessional	465	5.58
Janitors And Cleaners	395	4.74
All Other Food Service Workers	375	4.50
All Other Professional, Paraprofessional And Technicians	315	3.78
Education Administrators	245	2.94
Licensed Practical Nurses	210	2.52
All Other Service Workers	190	2.28
College And University Faculty	185	2.22
All Other Teachers And Related Workers	160	1.92
Food Preparation Workers	150	1.80
Teachers, Preschool And Kindergarten	145	1.74
Secretaries, Stenographers And Typists	145	1.74
Cooks, Institution Or Cafe	130	1.56
Instructors And Coaches, Sports	120	1.44
Registered Nurses	120	1.44
All Other Clerical And Administrative Support Workers	120	1.44
General Office Clerk	100	1.20
Precision Production Occupations	100	1.20
Janitors And Cleaners, Including Housekeepers And Maids	90	1.08
Vocational And Educational Counselors	85	1.02

**Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation**

		Employment	Percent Distribution
	Teacher Aides And Education Assistants	85	1.02
	All Other Managers And Administrators	80	0.96
	Bus Drivers, School	75	0.90
	Typists And Word Processors	70	0.84
	Psychologists	65	0.78
	Teachers And Instructors, Vocational Education	65	0.78
	Protective Service Occupations	60	0.72
	General Managers And Top Executives	55	0.66
	Speech Pathologists And Audiologists	50	0.60
	o Social Services	1890	100.00
	All Other Service Workers	175	9.26
	All Other Professional, Paraprofessional And Technicians	165	8.73
	Social Workers, Medical And Non-medical	160	8.47
	General Managers And Top Executives	140	7.41
	Teachers, Preschool And Kindergarden	135	7.14
	All Other Managers And Administrators	130	6.88
	Social Service Technicians	125	6.61
	All Other Clerical And Administrative Support Workers	115	6.08
	Secretaries, Stenographers And Typists	110	5.82
	Health Practitioners, Technologists, Technicians And Related	95	5.03
	Social Welfare Service Aides	85	4.50
	Child Care Workers	75	3.97
	Teacher Aides And Education Assistants	70	3.70
	Typists And Word Processors	65	3.44
	Bookkeeping, Accounting, Auditing Clerks	60	3.17
	Marketing, Advertising And Related Managers	50	2.65
	Administrative Service Managers	50	2.64
	Nurse Aides, Orderlies And Attendants	50	2.65
Government	o State Government, Except Education And Hospitals	815	100.00
	Helpers, Laborers And Related	295	36.20
	Service Occupations	105	12.88
	Cashiers	90	11.04
	Computer Operators, Except Peripheral Equipment	90	11.04
	Mechanics, Installers And Repairers	75	9.20
	Hand Working Occupations, Including Assemblers, Fabricators	50	6.14
	All Other Transportation Workers	50	6.13
	o Local Government, Except Education And Hospitals	3795	100.00
	Maintenance Repairers, General Utility	410	10.80
	Administrative Service Managers	350	9.22
	Fire Fighters	280	7.38
	Police Detectives And Investigators	265	6.98
	All Other Professional, Paraprofessional And Technicians	200	5.27
	General Office Clerk	190	5.01
	All Other Clerical And Administrative Support Workers	185	4.87
	Helpers, Laborers And Related	185	4.87
	Secretaries, Stenographers And Typists	165	4.35
	Highway Maintenance Workers	165	4.35
	Pub Admin Chief Executives, Legislators, Genral Administrators	130	3.43
	Assessors	120	3.16
	Municipal Clerks	120	3.16
	Bookkeeping, Accounting, Auditing Clerks	105	2.77
	All Other Management Support Workers	100	2.64
	Precision Production Occupations	100	2.64
	All Other Protective Services	90	2.37
	All Other Service Workers	85	2.24
	Fire Fighting And Prevention Supervisors	80	2.11

Table C:
The Bristol SDA
Employment in
Selected Industries
by Occupation

	Employment	Percent Distribution
All Other Managers And Administrators	75	1.98
Financial Managers	70	1.84
Construction And Building Inspectors	65	1.71
Water And Liquid Waste Treatment Plant And System Operators	60	1.58
Technical Assistants, Library	50	1.32
Cleaning, Building Service Occupations, Exc Private Househlds	50	1.32
Painters, Paperhangers, Construction And Maintenance	50	1.32

Notes About the Data

Employment surveys frequently differ in concept and definition and thus make understanding and interpreting the data more difficult. Therefore, it is important to know how data are obtained in order to know how best to use them. The industry and occupational employment data presented in these SDA reports count jobs and are collected from surveys of Massachusetts establishments. Individuals who hold more than one job are counted at each place they work. This section presents more detail explanations of the data published in the tables.

Industry Employment Data

Industry employment data presented in Tables 2, 3, and C, and the top ten industries in Section II are derived from the Employment and Wage Program. Industries covered in this program are defined in terms of the Standard Industrial Classification (SIC) system. The SIC separates establishments' economic activities into broad sectors (manufacturing, construction, retail trade, services, etc.). Each sector is further divided into major groups (2 digit SIC), then into industry groups (3 digit SIC) and finally into industries (4 digit SIC). Revisions to the SIC are made periodically to reflect the economy's changing industrial structure. In 1987, the SIC was revised, taking into account technological changes; institutional changes

such as deregulation in the banking, communications, and transportation industries; and the tremendous expansion in the service sector that occurred since 1972.

Some of the industry employment tables presented in these SDA reports are based on the old 1972 SIC, while others are based on the 1987 SIC revision. Industry employment data in Table 3 and the top ten industries are based on 1989 data and the 1987 SIC revision. Data from 1984 to 1989, showing the average annual employment change, net change and percent change in Table 2 are based on both the 1972 SIC and 1977 supplement, and the 1987 SIC revision. Data from 1984-1987 and 1988-1989 are based on different SICs and therefore, are not strictly comparable. However, since there were no changes to the SIC at the sector level, these measures of the SDA's industry employment change present no significant comparability problems.

Table C, presenting detailed industry employment by occupation, is derived from the Occupational Employment Statistics Survey. Industry employment is based on 1987 data and the 1972 SIC and the 1977 supplement. Staffing patterns presented in Table C are published for approximately 25 industries with a thousand or more workers.

Industry staffing patterns are presented for 2 and 3 digit industries, and major groupings of industries such as durable and nondurable goods industries. Industry staffing patterns that could violate employer confidentiality are collapsed into residual industries within the sector. As a result not all residual industries are strictly comparable across all SDAs.

Occupational Employment Data

Occupational employment estimates presented in these SDA reports are derived from data collected by the Occupational Employment Statistic (OES) program. OES data are obtained from surveys of employment by occupation for over 300 industries. Employers include both part-time and full-time workers for the payroll periods on the 12th of April, May, and June.

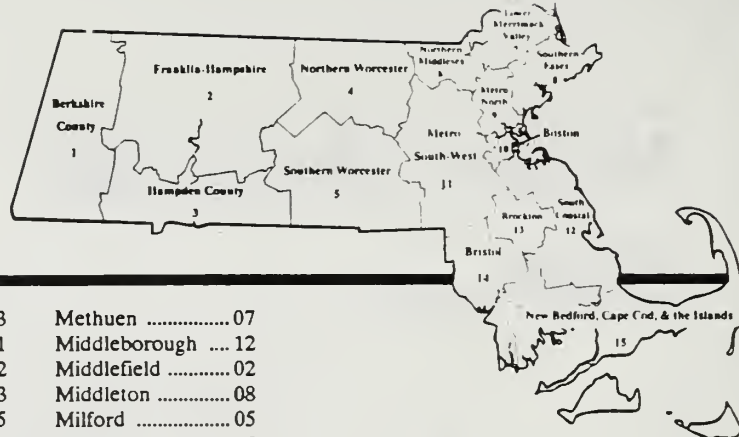
The classification systems used in this survey were the Standard Occupational Classification (SOC) system and the 1972 SIC. The SOC was used to develop the definitions of the occupations included and the 1972 SIC was used to define the industries.

Occupational data in these SDA reports are not strictly comparable to those published in the Current Population Survey (CPS), a monthly survey of approximately 59,500 individuals conducted by the U.S. Bureau of the Census. Primarily because of the two surveys' differences in concepts and classification systems (for example, the CPS counts individuals whereas the OES survey is a count of jobs, therefore, individuals who hold more than one job are counted differently in the two surveys,) employment comparisons should not be made between the two.

Comparisons can be made for large occupations among the SDAs and between individual SDAs and the state. In general, however, it is important to remember that the occupational estimates published in this report are intended to be used as a guide to local job markets, and should not be viewed as precise estimates.

Appendix

Cities & Towns In Massachusetts Service Delivery Areas



A	Clarksburg	01	Hampden	03	Methuen	07
Abington	Clinton	04	Hancock	01	Middleborough	12
Acton	Cohasset	12	Hanover	12	Middlefield	02
Acushnet	Colrain	02	Hanson	13	Middleton	08
Adams	Concord	11	Hardwick	05	Milford	05
Agawam	Conway	02	Harvard	04	Millbury	05
Alford	Cummington	02	Harwich	15	Millis	11
Amesbury	D		Hatfield	02	Millville	05
Amherst	Dalton	01	Haverhill	07	Milton	12
Andover	Danvers	08	Hawley	02	Monroe	02
Arlington	Dartmouth	15	Heath	02	Monson	03
Ashburnham	Dedham	11	Hingham	12	Montague	02
Ashby	Deerfield	02	Hinsdale	01	Monterey	01
Ashfield	Dennis	15	Holbrook	12	Montgomery	03
Ashland	Dighton	14	Holden	05	Mt. Washington	01
Athol	Douglas	05	Holland	03	N	
Attleboro	Dover	11	Holliston	11	Nahant	08
Auburn	Dracut	06	Holyoke	03	Nantucket	15
Avon	Dudley	05	Hopedale	05	Natick	11
Ayer	Dunstable	06	Hopkinton	11	Needham	11
B	Duxbury	12	Hubbardston	04	New Ashford	01
Barnstable	E		Hudson	11	New Bedford	15
Barre	East Bridgewater	13	Huntington	02	New Braintree	05
Becket	East Brookfield	05	I & K		New Marlborough	01
Bedford	East Longmeadow	03	Ipswich	08	New Salem	02
Belchertown	Eastham	15	Kingston	12	Newbury	07
Bellingham	Easthampton	02	L		Newburyport	07
Belmont	Easton	13	Lakeville	15	Newton	11
Berkley	Edgartown	15	Lancaster	04	Norfolk	11
Berlin	Egremont	01	Lanesborough	01	North Adams	01
Bernardston	Erving	02	Lawrence	07	North Andover	07
Beverly	Essex	08	Lee	01	North Attleborough	14
Billerica	Everett	09	Leicester	05	North Brookfield	05
Blackstone	F		Lenox	01	North Reading	09
Blandford	Fairhaven	15	Leominster	04	Northampton	02
Bolton	Fall River	14	Leverett	02	Northborough	05
Boston	Falmouth	15	Lexington	11	Northbridge	05
Bourne	Fitchburg	04	Leydon	02	Northfield	02
Boxborough	Florida	01	Lincoln	11	Norton	14
Boxford	Foxborough	11	Littleton	11	Norwell	12
Boylston	Framingham	11	Longmeadow	03	Norwood	11
Braintree	Franklin	11	Lowell	06	O	
Brewster	Freetown	15	Ludlow	03	Oak Bluffs	15
Bridgewater	G		Lunenburg	04	Oakham	05
Brimfield	Gardner	04	Lynn	08	Orange	02
Brockton	Gay Head	15	Lynnfield	08	Orleans	15
Brookfield	Georgetown	07	M		Otis	01
Brookline	Gill	02	Malden	09	Oxford	05
Buckland	Gloucester	08	Manchester	08	P	
Burlington	Goshen	02	Mansfield	14	Palmer	03
C	Gosnold	15	Marblehead	08	Paxton	05
Cambridge	Grafton	05	Marion	15	Peabody	08
Canton	Granby	02	Marlborough	11	Pelham	02
Carlisle	Granville	03	Marshfield	12	Pembroke	12
Carver	Great Barrington	01	Mashpee	15	Pepperell	04
Charlemont	Greenfield	02	Mattapoisett	15	Peru	01
Charlton	Groton	04	Maynard	11	Petersham	02
Chatham	Groveland	07	Medfield	11	Phillipston	02
Chelmsford	H		Medford	09	Pittsfield	01
Chelsea	Hadley	02	Medway	11	Plainfield	02
Cheshire	Halifax	12	Melrose	09	Plainville	11
Chester	Hamilton	08	Mendon	05	Plymouth	12
Chesterfield			Merrimac	07	Plympton	12
Chicopee					Princeton	04
Chilmark						
					Provincetown	15
					Q & R	
					Quincy	12
					Randolph	12
					Raynham	14
					Reading	09
					Rehoboth	14
					Revere	09
					Richmond	01
					Rochester	15
					Rockland	12
					Rockport	08
					Rowe	02
					Rowley	07
					Royalston	02
					Russell	03
					Rutland	05
					S	
					Salem	08
					Salisbury	07
					Sandisfield	01
					Sandwich	15
					Saugus	08
					Savoy	01
					Scituate	12
					Seekonk	14
					Sharon	11
					Sheffield	01
					Shelburne	02
					Sherborn	11
					Shirley	04
					Shrewsbury	05
					Shutesbury	02
					Somerset	14
					Somerville	09
					South Hadley	02
					Southampton	02
					Southborough	11
					Southbridge	05
					Southwick	03
					Spencer	05
					Springfield	03
					Sterling	04
					Stockbridge	01
					Stoneham	09
					Stoughton	13
					Stow	11
					Sturbridge	05
					Sudbury	11
					Sunderland	02
					Sutton	05
					Swampscott	08
					Swansea	14
					T	
					Taunton	14
					Templeton	04
					Tewksbury	06
					Tisbury	15
					Tolland	03
					Topsfield	08
					Townsend	04
					Truro	15
					Tyngsborough	06
					Tyringham	01
					U	
					Upton	05
					Uxbridge	05
					W & Y	
					Wakefield	09
					Wales	03
					Walpole	11
					Waltham	11
					Ware	02
					Wareham	15
					Warren	05
					Warwick	02
					Washington	01
					Watertown	09
					Wayland	11
					Webster	05
					Wellesley	11
					Wellfleet	15
					Wendell	02
					Wenham	08
					W. Boylston	05
					W. Bridgewater	13
					W. Brookfield	05
					W. Newbury	07
					W. Springfield	03
					W. Stockbridge	01
					West Tisbury	15
					Westborough	05
					Westfield	03
					Westford	06
					Westhampton	02
					Westminister	04
					Weston	11
					Westport	14
					Westwood	11
					Weymouth	12
					Whately	02
					Whitman	13
					Wilbraham	03
					Williamsburg	02
					Williamstown	01
					Wilmington	09
					Winchendon	04
					Winchester	09
					Windsor	01
					Winthrop	09
					Woburn	09
					Worcester	05
					Worthington	02
					Wrentham	11
					Yarmouth	15

